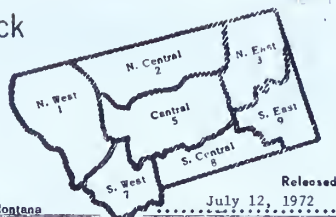


Montana Crop and Livestock Reporting Service

UNITED STATES DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and
MONTANA DEPARTMENT OF AGRICULTURE
Agricultural Statistics



Helena, Montana

Released

July 12, 1972

MONTANA BARLEY VARIETIES - 1972

FEED GRAIN BARLEY VARIETIES: Unitan remained in the number one position among 1972 feed grain barley varieties according to the Montana Crop and Livestock Reporting Service. Montana farmers seeded 303,800 acres to the Unitan variety--18.5 percent of the total acreage. This is an increase of 52,300 acres from last year's 251,500 acres. This is also the largest percentage planted to Unitan, the previous being 15.0 percent in 1967. Unitan is an early maturing variety and is smut-resistant.

Compana remained the second most popular feed grain variety. It rose from 11.5 percent in 1971 to 12.2 percent this year. A total of 199,200 acres was planted to Compana, which is a two-row variety noted for its ability to yield well on dryland farms.

Dekap moved to third position replacing Hypana. Its acreage, however, decreased from 78,600 acres last year to 64,300 acres this year. Hypana was nearly the same at 63,800 acres. Proportionally, it decreased from 6.9 to 3.9 percent of the total barley acreage.

Palliser and Ingrid were other feed barleys with significant acreages. Palliser was seeded on 53,000 acres, down 14,600 acres from last year. Ingrid has increased in percentage for the third consecutive year to 2.7 percent in 1972. This variety, originating in Sweden, accounts for 44,100 acres.

MALTING TYPE BARLEY VARIETIES: Piroline remained the number one malting barley among Montana farmers for the third consecutive year. It also leads all barley varieties for total seeded acres. It did, however, drop 63,000 acres from last year to 500,900 acres in 1972. Piroline, developed in Germany, is of the two-row variety, medium to tall in height with a relatively strong straw.

Betzes is the second most popular malting barley variety in Montana at 11.0 percent of the total acreage. Its acreage dropped from 306,000 to 180,200 acres.

Shabet increased in percentage from .2 percent last year to 4.6 percent this year. A total of 75,300 acres were planted in 1972. Shabet is adapted to irrigated acres and dryland acres with favorable precipitation. It also has superior shatter resistance.

Larker and Dickson are the other two acceptable malting varieties. Larker, at 35,300 acres compares with 22,100 acres last year. Dickson was seeded on 18,700 acres, compared to 14,700 last year.

Malting type barleys accounted for an estimated 810,400 acres or 49.4 percent of all barley seeded this year. Last year 906,700 acres or 52.1 percent of the total seeded acreage was malting type barley varieties.

The information for this report is based on results of an annual statewide survey of Montana growers who report acreages of barley varieties seeded on their farms or ranches.

Daniel L. Herbert,
Agr. Statistician-in-Charge

Loren D. Nordhausen
Agr. Statistician

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1965 - 1972 AND SEEDED ACREAGE 1971 AND 1972

VARIETY	Percent of Total Seeded Acreage								SEEDED ACRES	
	1965 Pct.	1966 Pct.	1967 Pct.	1968 Pct.	1969 Pct.	1970 Pct.	1971 Pct.	1972 Pct.	1971 ^{1/} Acreage	1972 ^{2/} Acreage
Pirolina	*	*	*	.2	4.3	19.7	32.4	30.6	563,900	500,900
Unitan	12.2	14.1	15.0	12.1	10.0	11.5	14.5	18.5	251,500	303,800
Compana	42.5	39.0	28.5	16.0	11.5	15.7	11.5	12.2	200,600	199,200
Betzee	20.4	19.4	15.2	13.1	16.3	16.4	17.6	11.0	306,000	180,200
Shabat	----	----	----	----	----	----	.2	4.6	3,700	75,300
Dekap	3.5	6.6	11.0	4.4	3.8	5.1	4.5	3.9	78,600	64,300
Hypana	*	*	12.8	40.7	41.2	17.7	6.9	3.9	119,700	63,800
Palliser	9.0	5.5	5.4	3.0	3.7	3.6	3.9	3.2	67,600	53,000
Ingrid	1.4	1.9	1.8	2.3	1.8	1.6	2.4	2.7	41,500	44,100
Larker	1.7	6.8	4.8	2.3	2.4	2.5	1.3	2.2	22,100	35,300
Dickson	*	*	.9	.8	.6	.8	.8	1.1	14,700	18,700
Freja	.6	.4	.3	.6	.5	.6	.5	.8	8,800	12,900
Ventsage	2.0	1.8	1.0	1.1	.8	1.0	.5	.6	8,800	10,200
Horsford	*	*	.3	.2	.2	.3	.3	.6	5,000	9,400
Keystone	*	*	*	*	*	.3	*	.5	300	8,700
Erbet	----	----	----	----	----	----	*	.3	----	5,300
Vanguard	----	----	----	----	----	----	----	.3	----	4,700
Herta	1.0	.8	.9	.4	.4	.4	.4	.3	6,500	4,200
Horn	.5	.2	*	.5	.6	.4	.2	.2	3,200	4,000
Paragon	----	----	----	----	----	----	.5	.2	7,900	3,100
Primus #2	----	----	----	----	----	----	----	.2	----	2,900
Titan	1.3	.8	*	*	.1	*	.1	.1	1,500	2,300
Yukon	----	----	*	.2	.4	.3	.1	.1	2,600	2,200
Moravian	----	----	----	----	----	----	*	.1	----	1,700
Californie	----	----	----	----	----	----	*	*	----	700
Primus	----	----	----	----	----	.2	.2	*	4,200	200
Belford	*	*	*	*	*	.1	----	*	----	100
Other	3.9	2.7	2.1	2.1	1.4	1.8	1.2	1.8	21,300 ^{3/}	28,800 ^{4/}
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1740,000	1,640,000

* Less than 0.1 percent of total seeded acreage.

^{1/} Revised^{2/} Preliminary^{3/} Includes California, Conquest, Trebi, plus 17,100 acres of unknown varieties representing 1.0 percent of the State's seeded acres.^{4/} Includes other and unknown varieties representing 1.8 percent of the State's seeded acres.

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STATE DOCUMENTS

MONTANA BARLEY VARIETIES: SEEDED ACREAGES AND PERCENT OF TOTAL BY DISTRICTS - 1971 REVISED 1/

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	2.4	4.6	439.4	47.3	39.6	16.5	68.9	26.0	----	----	13.6	9.4	----	----	563.9	32.4
Betzes	1.3	2.5	271.3	29.2	11.5	4.8	1.8	.7	15.6	27.8	4.5	3.1	----	----	306.0	17.6
Initan	5.2	9.9	47.4	5.1	63.8	26.6	33.1	12.5	22.5	40.2	51.2	35.3	28.3	54.4	251.5	14.5
Compass	1.6	3.0	34.4	3.7	25.9	10.0	96.7	36.5	10.9	19.5	24.1	16.6	7.0	13.4	200.6	11.5
Hypaxa	.6	1.1	49.2	5.3	11.0	4.6	22.3	8.4	2.8	5.0	30.3	20.9	3.5	6.8	119.7	6.9
Dekap	----	----	53.9	5.8	8.0	3.3	16.7	6.3	----	----	----	----	----	----	78.6	4.5
Pellissier	.3	.5	25.1	2.7	20.2	8.4	17.8	6.7	.4	.8	3.8	2.6	----	----	67.6	3.9
Ingrid	27.6	52.0	----	----	----	----	.3	.1	1.9	3.4	11.7	8.1	----	----	41.5	2.4
Larkar	----	----	----	----	19.7	8.2	----	----	.5	.9	.1	.1	1.8	3.5	22.1	1.3
Dickson	----	----	----	----	11.3	4.7	----	----	----	----	.1	.1	3.3	6.4	14.7	.8
Freja	8.8	16.6	----	----	----	----	----	----	----	----	----	----	----	----	8.8	.5
Vantage	3.0	5.7	1.8	.2	2.4	1.0	----	----	----	----	1.4	1.0	.2	.4	8.8	.5
Paragon	----	----	----	----	5.2	2.6	----	----	----	----	----	----	1.7	3.2	7.9	.5
Herta	----	----	----	----	6.5	2.7	----	----	----	----	----	----	----	----	6.5	.4
Horsford	----	----	.9	.1	.7	.3	1.6	.6	.7	1.2	.9	.6	.2	.4	5.0	.3
Shabet	----	----	3.7	.4	----	----	----	----	----	----	----	----	----	----	3.7	.2
Primus	----	----	----	----	*	----	----	----	----	----	----	----	4.2	8.0	4.2	.2
Boru	----	----	1.5	.2	1.7	.7	----	----	----	----	----	----	----	----	3.2	.2
Tukon	----	----	----	----	2.6	1.1	----	----	----	----	----	----	----	----	2.6	.1
Frebi	1.4	2.7	----	----	----	----	----	----	----	----	.2	.1	----	----	1.6	.1
Titan	----	----	----	----	----	----	----	----	----	----	1.5	1.0	----	----	1.5	.1
Keystone	----	----	----	----	.2	.1	----	----	----	----	.1	.1	----	----	.3	*
Other	.8	1.4	.4	*	8.7	3.6	5.8	2.2	.7	1.2	1.5	1.0	1.8	3.5	19.7	1.1
TOTAL	53.0	100.0	929.0	100.0	240.0	100.0	265.0	100.0	56.0	100.0	145.0	100.0	52.0	100.0	1740.0	100.0

* Less than 0.1 percent of total seeded acreage.

1/ These 1971 barley variety percentages are only fractionally changed from the preliminary data published in July 1971.

Acreage data are revised to agree with the current State estimate of 1,740,000 acres of barley seeded for the 1971 crop.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1972 PRELIMINARY

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	1.7	3.1	385.4	50.1	43.8	13.6	48.6	18.6	1.0	1.7	15.0	12.5	5.4	10.0	500.9	30.6
Unitan	6.8	12.4	41.1	5.4	133.1	41.2	45.6	17.5	16.9	29.1	38.3	31.9	22.0	40.8	303.8	18.5
Compana	5.7	10.4	37.5	4.9	30.9	9.6	100.9	38.6	7.4	12.8	12.0	10.0	4.8	8.9	199.2	12.2
Betzes	2.2	4.0	145.1	18.9	5.7	1.8	.6	.2	20.4	35.2	5.8	4.8	.4	.7	180.2	11.0
Shebet	----	----	74.7	9.7	----	----	.6	.2	----	----	----	----	----	----	75.3	4.6
Dekap	----	----	38.9	5.1	17.0	5.3	6.7	2.6	----	----	----	----	1.7	3.1	64.3	3.9
Hypana	.4	.7	18.4	2.4	10.0	3.1	21.6	8.3	3.4	5.9	6.4	5.3	3.6	6.7	63.8	3.9
Fallisier	----	----	8.8	1.1	15.9	4.9	25.8	9.9	----	----	2.5	2.1	----	----	53.0	3.2
Ingrid	19.5	35.4	----	----	----	----	----	----	1.6	2.7	23.0	19.2	----	----	44.1	2.7
Lerker	----	----	----	----	32.4	10.0	----	----	.8	1.4	----	----	2.1	3.9	35.3	2.2
Dickson	----	----	1.1	.1	17.3	5.3	----	----	----	----	----	----	.3	.6	18.7	1.1
Freja	12.9	23.4	----	----	----	----	----	----	----	----	----	----	----	----	12.9	.8
Vantage	4.6	8.4	1.1	.1	1.5	.5	----	----	----	----	1.1	.9	1.9	3.5	10.2	.6
Horsford	----	----	1.0	.1	----	----	1.0	.4	.4	.7	7.0	5.8	----	----	9.4	.6
Keystone	----	----	----	----	----	----	----	----	----	----	3.9	3.3	4.8	8.9	8.7	.5
Erbet	----	----	----	----	----	----	4.7	1.8	----	----	.6	.5	----	----	5.3	.3
Vanguard	----	----	4.3	.6	----	----	.4	.2	----	----	----	----	----	----	4.7	.3
Herta	----	----	----	----	4.2	1.3	----	----	----	----	----	----	----	----	4.2	.3
Horn	----	----	1.3	.2	2.7	.8	----	----	----	----	----	----	----	----	4.0	.2
Paragon	----	----	----	----	1.3	.4	----	----	----	----	----	----	1.8	3.3	3.1	.2
Primus #2	----	----	----	----	.5	.2	----	----	----	----	----	----	2.4	4.4	2.9	.2
Titan	----	----	----	----	----	----	----	----	----	----	2.3	1.9	----	----	2.3	.1
Yukon	----	----	----	----	.7	.2	----	----	1.5	2.6	----	----	----	----	2.2	.1
Moravian	----	----	1.1	.1	----	----	----	----	----	----	.6	.5	----	----	1.7	.1
California	.7	1.3	----	----	----	----	----	----	----	----	----	----	----	----	.7	*
Primus	----	----	----	----	----	----	----	----	----	----	----	----	.2	.4	.2	*
Belford	----	----	----	----	----	----	----	----	.1	.2	----	----	----	----	.1	*
Other	.5	.9	9.2	1.2	6.0	1.8	4.5	1.7	4.5	7.7	1.5	1.3	2.6	4.8	28.8	1.8
TOTAL	55.0	100.0	769.0	100.0	323.0	100.0	261.0	100.0	58.0	100.0	120.0	100.0	54.0	100.0	1640.0	100.0

* Less than 0.1 percent of total seeded acreage.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1971 - 1978 AND SEEDED ACREAGE 1977 - 1978

VARIETIES	PERCENT OF TOTAL SEEDED ACREAGE								SEEDED ACRES	
	1971	1972	1973	1974	1975	1976	1977	1978	1977	1978 ^{1/}
	Percent								Acreage	
Cooline	32.4	32.0	34.1	35.8	28.2	24.8	37.8	51.5	623,900	485,200
Centor	-	--	-	.2	9.1	11.2	14.3	15.6	235,300	241,300
Chigss	-	-	--	.2	.6	2.5	6.1	12.1	100,900	192,900
Brittan	14.5	17.8	19.0	16.5	10.0	8.9	7.9	6.2	130,800	95,500
Compagna	11.5	11.8	9.5	8.0	13.3	5.5	3.0	6.0	49,700	92,500
Cteptoe	--	--	.6	6.8	11.0	9.0	4.7	5.0	76,900	77,400
Shabet	.2	4.9	8.6	8.4	8.4	17.0	5.0	4.4	82,700	68,400
Hypana	6.9	3.8	3.6	2.9	1.5	1.5	2.6	3.1	42,900	47,900
Betzee	17.6	11.5	7.7	6.0	4.5	5.1	2.8	2.8	46,800	43,100
Larker	1.3	2.1	1.7	.8	1.3	.9	3.7	2.5	60,400	39,400
Ingrid	2.4	2.1	2.3	2.1	2.5	2.4	2.5	1.9	41,800	29,000
Den-ford	.3	.5	.4	.9	.9	1.0	.5	1.4	8,900	21,300
Summit	--	--	--	--	--	--	--	1.0	---	15,600
Sanl	--	--	--	--	--	.6	.9	1.0	14,700	15,300
Vanguard	--	.3	1.2	2.7	2.1	.9	.5	.9	7,700	14,400
Pulliser	3.9	3.1	3.7	2.4	2.0	1.6	.7	.5	11,300	7,500
Farlbeck III	--	--	.4	.2	1.0	1.5	1.3	.4	22,000	6,600
Moravian III	--	--	--	--	--	--	.4	.3	5,700	4,000
Vreja	--	--	--	--	--	--	--	.2	---	3,700
Vireo	--	--	--	--	--	--	--	.2	---	3,400
Other	9.0	10.1	7.2	6.1	6.6	5.6	5.3	2.9	87,600	45,600
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,650,000	1,550,000

1/ Preliminary

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS--1977 REVISED

	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolaine	.5	.8	447.4	62.3	43.8	13.1	111.1	39.0	9.4	13.2	9.7	12.6	2.0	2.1	623.9	37.8
Hector	1.2	1.7	66.1	9.2	73.0	21.8	76.1	26.7	--	--	6.8	8.9	12.1	12.9	235.3	14.3
Unitan	6.7	9.6	6.5	.9	55.9	16.7	4.5	1.6	22.6	31.6	15.8	20.6	18.8	20.1	130.8	7.9
Klages	7.2	10.1	49.6	6.9	--	--	36.7	12.9	4.4	6.2	3.0	3.9	--	--	100.9	6.1
Shabet	--	--	71.8	10.0	2.3	.7	4.3	1.5	2.3	3.2	2.0	2.5	--	--	82.7	5.0
Steptoe	3.1	4.4	2.2	.3	16.0	4.8	15.1	5.3	20.7	29.0	10.0	13.0	9.8	10.5	76.9	4.7
Larker	3.4	4.8	.8	.1	54.1	16.2	--	--	--	--	--	--	2.1	2.2	60.4	3.7
Compana	.4	.7	8.6	1.2	10.7	3.2	10.8	3.8	3.2	4.5	2.7	3.6	13.3	14.2	49.7	3.0
Betzes	.9	1.2	23.7	3.3	12.3	3.7	.5	.2	5.2	7.2	4.2	5.4	--	--	46.8	2.8
Hypana	.6	.8	3.6	.5	20.3	6.1	8.3	2.9	--	--	2.2	2.9	7.9	8.5	42.9	2.6
Ingrid	36.3	51.6	--	--	--	--	--	--	.6	.7	4.9	6.4	--	--	41.8	2.5
Dickson	--	--	--	--	16.4	4.9	--	--	--	--	--	--	7.6	8.1	24.0	1.5
Firlebacks III	--	--	17.9	2.5	--	--	--	--	--	--	4.1	5.3	--	--	22.0	1.3
Karl	2.1	2.9	2.9	.4	--	--	6.6	2.3	2.6	3.7	.5	.7	--	--	14.7	.9
Palliser	--	--	5.0	.7	.3	.1	4.3	1.5	--	--	1.7	2.1	--	--	11.3	.7
Horsford	.4	.7	1.4	.2	1.6	.5	4.3	1.5	.6	.7	.6	.7	--	--	8.9	.5
Vanguard	--	--	--	--	5.7	1.7	--	--	--	--	--	--	2.0	2.1	7.7	.5
Moravian III	--	--	3.0	.4	--	--	--	--	--	--	2.7	3.6	--	--	5.7	.4
Conquest	--	--	--	--	6.4	1.9	--	--	--	--	--	--	--	--	6.4	.1
Horn	--	--	--	--	6.4	1.9	--	--	--	--	--	--	--	--	6.4	.4
Other	7.6	10.7	7.8	1.1	9.1	2.7	2.3	.8	--	--	6.1	7.8	17.9	19.3	50.8	3.0
TOTAL	70.4	100.0	718.3	100.0	334.3	100.0	284.9	100.0	71.6	100.0	77.0	100.0	93.5	100.0	1,650.0	100.0



MONTANA CROP AND LIVESTOCK REPORTING SERVICE

P. O. Box 1726 - Helena, Montana 59601

Released: July 13, 1973

FEED GRAIN BARLEY VARIETIES: Unitan maintained its number one position among 1973 feed grain barley varieties according to the Montana Crop and Livestock Reporting Service. Montana farmers seeded 398,900 acres with the Unitan variety. This is 19 percent of the total barley acreage and an increase of 75,300 acres over 1972. Unitan is a smut-resistant, early maturing type of barley.

Compana remained the second most popular feed grain variety making up 9.5 percent of total barley acres. Compana acres for 1973 total 199,600--a decline of 7 percent from 1972. Compana is a two-row variety noted for its ability to yield well on dryland farms.

Palliser acreage increased 36 percent over last year to move ahead of Hypana and Dekap. Of the 77,100 acres, 89 percent was seeded in central and northeastern Montana. Comprising 3.7 percent of total barley acres, Palliser grows taller than Compana and Betzes, but is generally lower yielding on dryland and lower in test weight.

Hypana held its fourth place ranking with 7 percent more acres than in 1972. As a percent of total barley acreage, it declined from 3.8 percent in 1972 to 3.6 percent currently.

Dekap declined for the third year in a row to 54,000 acres.

Ingrid, a variety of Swedish origin, increased from 38,800 acres in 1972 to 47,500 acres in 1973. Ingrid is a high yielding, late maturing barley recommended only in irrigated regions.

MALTING TYPE BARLEY VARIETIES: Piroline maintained its number one rank in total barley acres seeded in Montana. It also remained the leading malting barley in the State for the fourth consecutive year. Acreage increased 134,500 acres--from 581,500 in 1972 to 716,000 acres in 1973. Piroline, a two-row variety developed in Germany, grows medium to tall in height on relatively strong straw.

Shabet has replaced Betzes as the number two variety of malting barley at 180,400 acres or 8.6 percent of total barley acreage seeded. Last year 89,900 acres were seeded or 4.9 percent of the barley acreage.

Betzes declined in importance from 11.5 percent in 1972 (208,400 acres) to 7.7 percent (162,700 acres) in 1973.

Larker and Vanguard rank next as acceptable malting varieties. Larker acreage at 34,900 acres, declined from 38,200 in 1972. Vanguard variety was seeded on 24,400 acres compared with 6,100 acres last year.

Firlbecks III, a new variety in Montana, has been planted on 8,700 acres. No acreage of this variety was reported in last year's survey.

Malting type barley varieties accounted for an estimated 54.1 percent of all barley seeded this year. In 1972, 52.0 percent of the 1,820,000 barley acres were of malting variety.

Barley acres intended for harvest in 1973 totaled 2,100,000 acres--15.4 percent more than in 1972.

Information in this report is the result of an annual Statewide survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches.

7/73

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1972 REVISED ^{1/}

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolaine	1.6	3.1	461.0	50.1	47.5	13.6	51.4	18.6	1.0	1.7	12.5	12.5	6.5	10.0	581.5	32.0
Unitan	6.3	12.4	49.7	5.4	143.8	41.2	48.5	17.5	16.9	29.1	31.9	31.9	26.5	40.8	323.6	17.8
Compana	5.3	10.4	45.1	4.9	33.5	9.6	106.9	38.6	7.4	12.8	10.0	10.0	5.8	8.9	214.0	11.8
Scitces	2.0	4.0	173.9	18.9	6.3	1.8	.6	.2	20.4	35.2	4.8	4.8	.4	.7	208.4	11.5
Shabet	----	----	89.3	9.7	----	----	.6	.2	----	----	----	----	----	----	89.9	4.9
Dekap	----	----	46.9	5.1	18.5	5.3	7.2	2.6	----	----	----	----	2.0	3.1	74.6	4.1
Hypana	.4	.7	22.1	2.4	10.8	3.1	23.0	8.3	3.4	5.9	5.3	5.3	4.4	6.7	69.4	3.8
Palliser	----	----	10.1	1.1	17.1	4.9	27.4	9.9	----	----	2.1	2.1	----	----	56.7	3.1
Ingrid	18.0	35.4	----	----	----	----	----	----	1.6	2.7	19.2	19.2	----	----	38.8	2.1
Larker	----	----	----	----	34.9	10.0	----	----	.8	1.4	----	----	2.5	3.9	38.2	2.1
Dickson	----	----	.9	.1	18.5	5.3	----	----	----	----	----	----	.4	.6	19.8	1.1
Freja	11.9	23.4	----	----	----	----	----	----	----	----	----	----	----	----	11.9	.7
Vantage	4.3	8.4	.9	.1	1.7	.5	----	----	----	----	.9	.9	2.3	3.5	10.1	.6
Horsford	----	----	.9	.1	----	----	1.1	.4	.4	.7	5.8	5.8	----	----	8.2	.5
Keystone	----	----	----	----	----	----	----	----	----	----	3.3	3.3	5.8	8.9	9.1	.5
Erbet	----	----	----	----	----	----	5.0	1.8	----	----	.5	.5	----	----	5.5	.3
Vanguard	----	----	5.5	.6	----	----	.6	.2	----	----	----	----	----	----	6.1	.3
Herts	----	----	----	----	4.5	1.3	----	----	----	----	----	----	----	----	4.5	.2
Horn	----	----	1.8	.2	2.8	.8	----	----	----	----	----	----	----	----	4.6	.3
Paragon	----	----	----	----	1.4	.4	----	----	----	----	----	----	2.1	3.3	3.5	.2
Primus II	----	----	----	----	.7	.2	----	----	----	----	----	----	2.9	4.4	3.6	.2
Titan	----	----	----	----	----	----	----	----	----	----	1.9	1.9	----	----	1.9	.1
Yukon	----	----	----	----	.7	.2	----	----	1.5	2.6	----	----	----	----	2.2	.1
Moravian	----	----	.9	.1	----	----	----	----	----	----	.5	.5	----	----	1.4	.1
California	.7	1.3	----	----	----	----	----	----	----	----	----	----	----	----	.7	*
Primus	----	----	----	----	----	----	----	----	----	----	----	----	.3	.4	.3	*
Belford	----	----	----	----	----	----	----	----	.1	.2	----	----	----	----	.1	*
Other	.5	.9	11.0	1.2	6.3	1.8	4.7	1.7	4.5	7.7	1.3	1.3	3.1	4.8	31.4	1.6
TOTAL	51.0	100.0	920.0	100.0	349.0	100.0	277.0	100.0	58.0	100.0	100.0	100.0	65.0	100.0	1820.0	100.0

*Less than 0.1 percent of total seeded acreage.

^{1/} These 1972 barley variety percentages are only fractionally changed from the preliminary data published in July 1972.
Acreage data are revised to agree with the current State estimate of 1,820,000 acres of barley seeded for the 1972 crop.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1973 PRELIMINARY

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	7.0	11.1	517.0	52.2	90.7	21.8	76.3	23.0	2.8	4.2	21.7	17.4	.5	.4	716.0	34.1
Unitan	6.6	10.4	53.5	5.4	179.3	43.0	45.3	13.6	25.0	37.3	32.2	25.7	57.0	53.8	398.9	19.0
Compana	2.1	3.3	25.7	2.6	25.1	6.0	111.1	33.5	12.0	17.9	15.1	12.1	8.5	8.0	199.6	9.5
Shabet	----	----	175.9	17.8	.1	*	2.6	.8	1.8	2.7	----	----	----	----	180.4	8.6
Betztes	4.3	6.8	113.5	11.4	13.0	3.1	7.8	2.3	15.1	22.5	8.3	6.6	.7	.7	162.7	7.7
Palliser	----	----	6.6	.7	35.0	8.4	33.8	10.2	----	----	1.7	1.4	----	----	77.1	3.7
Hypana	.1	.2	18.4	1.9	9.3	2.2	24.2	7.3	1.4	2.2	9.0	7.2	12.0	11.3	74.4	3.6
Dekap	----	----	35.9	3.6	10.8	2.6	6.5	1.9	----	----	----	----	.8	.8	54.0	2.6
Ingrid	23.6	37.5	----	----	----	----	.4	.1	4.9	7.3	18.6	14.9	----	----	47.5	2.3
Larker	----	----	----	----	34.3	8.2	----	----	----	----	----	----	.6	.6	34.9	1.7
Vanguard	----	----	19.2	1.9	3.0	.7	.8	.3	----	----	.6	.5	.8	.8	24.4	1.2
Erbet	----	----	----	----	----	----	12.2	3.7	----	----	3.9	3.1	----	----	16.1	.8
Keystone	----	----	----	----	----	----	----	----	----	----	2.4	1.9	13.2	12.4	15.6	.7
Preja	12.7	20.2	----	----	----	----	----	----	----	----	----	----	----	----	12.7	.6
Steptoe	1.1	1.7	6.0	.6	1.9	.5	.7	.2	.3	.4	.8	.6	.8	.8	11.6	.6
Horsford	.3	.5	.6	.1	.5	.1	1.1	.3	1.6	2.3	5.3	4.3	----	----	9.4	.4
Firlbecks III	----	----	6.6	.7	----	----	----	----	.7	2.6	.4	.3	----	----	8.7	.4
Dickson	----	----	----	----	5.4	1.3	----	----	----	----	----	----	1.1	1.0	6.5	.3
Titan	----	----	----	----	----	----	----	----	----	----	3.3	2.6	----	----	3.3	.2
Paragon	----	----	----	----	----	----	----	----	----	----	----	----	3.1	2.9	3.1	.2
Moravian	----	----	3.0	.3	----	----	----	----	----	----	----	----	----	----	3.0	.1
Herta	----	----	----	----	2.9	.7	----	----	----	----	----	----	----	----	2.9	.1
Vantage	.9	1.5	----	----	----	----	----	----	----	----	----	----	----	----	.9	*
Yukon	----	----	----	----	.8	.2	----	----	----	----	----	----	----	----	.8	*
Primus II	----	----	----	----	----	----	----	----	----	----	----	----	.7	.7	.7	*
California	.5	.7	----	----	----	----	----	----	----	----	----	----	----	----	.5	*
Conquest	----	----	----	----	----	----	.4	.1	----	----	----	----	----	----	.4	*
Horn	----	----	----	----	.3	.1	----	----	----	----	----	----	----	----	.3	*
Belford	----	----	----	----	----	----	----	----	----	----	.1	.1	----	----	.1	*
Other	3.8	6.1	8.1	.8	4.6	1.1	8.8	2.7	.4	.6	1.6	1.3	6.2	5.8	33.5	1.6
TOTAL	63.0	100.0	990.0	100.0	417.0	100.0	332.0	100.0	67.0	100.0	125.0	100.0	106.0	100.0	2100.0	100.0

*Less than 0.1 percent of total seeded acreage.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1966 - 1973 AND SEEDED ACREAGE 1972 AND 1973

VARIETY	Percent of Total Seeded Acreage								SEEDED ACRES	
	1966	1967	1968	1969	1970	1971	1972	1973	1972 1/	1973 2/
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Acreage	Acreage
Piroline	*	*	.2	4.3	19.7	32.4	32.0	34.1	581,500	716,000
Unitan	14.1	15.0	12.1	10.0	11.5	14.5	17.8	19.0	323,600	398,900
Compana	39.0	28.5	16.0	11.5	15.7	11.5	11.8	9.5	214,000	199,600
Shabet	----	----	----	----	----	.2	4.9	8.6	89,900	180,400
Betzes	19.4	15.2	13.1	16.3	16.4	17.6	11.5	7.7	208,400	162,700
Palliser	5.5	5.4	3.0	3.7	3.6	3.9	3.1	3.7	56,700	77,100
Hypana	*	12.8	40.7	41.2	17.7	6.9	3.8	3.6	69,400	74,400
Dekap	6.6	11.0	4.4	3.8	5.1	4.5	4.1	2.6	74,600	54,000
Ingrid	1.9	1.8	2.3	1.8	1.6	2.4	2.1	2.3	38,800	47,500
Larker	6.8	4.8	2.3	2.4	2.5	1.3	2.1	1.7	38,200	34,900
Vanguard	----	----	----	----	----	----	.3	1.2	6,100	24,400
Erbet	----	----	----	----	*	*	.3	.8	5,500	16,100
Keystone	*	*	*	*	.3	*	.5	.7	9,100	15,600
Freja	.4	.3	.6	.5	.6	.5	.7	.6	11,900	12,700
Steploe	----	----	----	----	----	----	----	.6	----	11,600
Horsford	*	.3	.2	.2	.3	.3	.5	.4	8,200	9,400
Firlbeck III	----	----	----	----	----	----	----	.4	----	8,700
Dickaon	*	.9	.8	.6	.8	.8	1.1	.3	19,800	6,500
Titan	.8	*	*	.1	*	.1	.1	.2	1,900	3,300
Paragon	----	----	----	----	----	.5	.2	.2	3,500	3,100
Moravian	.3	.2	.3	.1	----	*	.1	.1	1,400	3,000
Herta	.8	.9	.4	.4	.4	.4	.2	.1	4,500	2,900
Vantage	1.8	1.0	1.1	.8	1.0	.5	.6	*	10,100	900
Yukon	----	*	.2	.4	.3	.1	.1	*	2,200	800
Primus II	----	----	----	----	----	----	.2	*	3,600	700
California	*	*	----	----	----	*	*	*	700	500
Conquest	*	.9	.8	.5	*	*	*	*	----	400
Horn	.2	*	.5	.6	.4	.2	.3	*	4,600	300
Belford	*	*	*	*	.1	----	*	*	100	100
Other	2.4	1.0	1.0	.8	2.0	1.4	1.6	1.6	31,700 3/	33,500 3/
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,820,000	2,100,000

* Less than 0.1 percent of total seeded acreage.

1/ Revised.

2/ Preliminary.

3/ Includes other and unknown varieties representing 1.6 percent of the State's seeded acres.

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MONTANA BARLEY VARIETIES

1974

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AUG 7 1974

MONTANA CROP AND LIVESTOCK REPORTING SERVICE

P. O. Box 1726 - Helena, Montana 59601

Released: July 12, 1974

FEED GRAIN BARLEY VARIETIES: Unitan maintained its number one position among 1974 feed grain barley varieties according to a survey of grain growers conducted by the Montana Crop and Livestock Reporting Service. Montana grain producers seeded 231,100 acres using Unitan seed--accounting for more than 16 percent of total barley acres. Only Piroline, a malting variety, exceeded the Unitan acreage. Unitan is a six-row low-protein barley which produces high yields on both irrigated and non-irrigated land.

Compana continued in a downward trend but remains the second most popular feed barley. In 1974, 8 percent of the barley acreage was seeded with Compana compared with 9.5 percent in 1973. Compana is a two-row variety released in 1941. It has moderately weak, medium-short straw with mid-season maturity. The variety is resistant to loose smut and moderately resistant to covered smut.

Steptoe was third place among feed grain varieties, with 6.8 percent of the acreage seeded to this "newcomer" to Montana. Steptoe leaped from 11,600 acres in 1973 to 95,800 this year. It is a six-row barley developed by Washington State University. The straw is stiffer than Unitan, with good resistance to lodging. Disease susceptibility or tolerances have not been evaluated as to date.

Hypana is the Number 4 feed barley variety in Montana, the same rank held in 1973. As a percent of total barley acres, Hypana is declining--accounting for only 2.9 percent in 1974. This is a sharp contrast with 1969 when this variety represented over 41 percent of the Montana barley acres.

Palliser acreage is also declining and is the fifth ranking variety in 1974 compared with third in 1973. Grain growers seeded 2.4 percent of their barley acres with Palliser.

MALTING-TYPE BARLEY VARIETIES: Piroline held its Number 1 position in total acres seeded to barley in Montana and increased its share from 34.1 percent in 1973 to 35.7 percent this year. Actual acres seeded to piroline are less than last year, as growers cut total barley seedings by 33 percent. Slightly over 500,000 acres were seeded to this variety--more than double the next most important variety--Unitan--a feed barley.

Shabet ranks Number 2 among malting barley again this year, with 8.4 percent of the barley acres devoted to the variety.

Betzes remains in the Number 3 spot for malting barley, with 6.0 percent of the total seeded acres--down from 7.7 in 1973.

In addition to the 3 MBIA approved varieties, there are three other malting-type barleys grown in Montana, with significant acres for 1974 harvest: Vanguard with 2.7 percent of the acreage, Moravian with 17,800 acres, 1.3 percent of seeded acreage, and Larker accounting for less than 1 percent.

Malting-type barley varieties occupy 55 percent of the Montana barley acreage seeded in 1974, with over 770,000 acres. Last year, malting types represented 54 percent of barley acres and totaled 1,130,000 acres.

Information in this report is the result of an annual Statewide Survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

		1950		1951		1952		1953		1954		1955		1956		1957		1958		1959		1960		1961		1962		1963		1964		1965		1966		1967		1968		1969		1970		1971		1972		1973		1974		1975		1976		1977		1978		1979		1980		1981		1982		1983		1984		1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040		2041		2042		2043		2044		2045		2046		2047		2048		2049		2050		2051		2052		2053		2054		2055		2056		2057		2058		2059		2060		2061		2062		2063		2064		2065		2066		2067		2068		2069		2070		2071		2072		2073		2074		2075		2076		2077		2078		2079		2080		2081		2082		2083		2084		2085		2086		2087		2088		2089		2090		2091		2092		2093		2094		2095		2096		2097		2098		2099		2100		2101		2102		2103		2104		2105		2106		2107		2108		2109		2110		2111		2112		2113		2114		2115		2116		2117		2118		2119		2120		2121		2122		2123		2124		2125		2126		2127		2128		2129		2130		2131		2132		2133		2134		2135		2136		2137		2138		2139		2140		2141		2142		2143		2144		2145		2146		2147		2148		2149		2150		2151		2152		2153		2154		2155		2156		2157		2158		2159		2160		2161		2162		2163		2164		2165		2166		2167		2168		2169		2170		2171		2172		2173		2174		2175		2176		2177		2178		2179		2180		2181		2182		2183		2184		2185		2186		2187		2188		2189		2190		2191		2192		2193		2194		2195		2196		2197		2198		2199		2200		2201		2202		2203		2204		2205		2206		2207		2208		2209		2210		2211		2212		2213		2214		2215		2216		2217		2218		2219		2220		2221		2222		2223		2224		2225		2226		2227		2228		2229		2230		2231		2232		2233		2234		2235		2236		2237		2238		2239		2240		2241		2242		2243		2244		2245		2246		2247		2248		2249		2250		2251		2252		2253		2254		2255		2256		2257		2258		2259		2260		2261		2262		2263		2264		2265		2266		2267		2268		2269		2270		2271		2272		2273		2274		2275		2276		2277		2278		2279		2280		2281		2282		2283		2284		2285		2286		2287		2288		2289		2290		2291		2292		2293		2294		2295		2296		2297		2298		2299		2300		2301		2302		2303		2304		2305		2306		2307		2308		2309		2310		2311		2312		2313		2314		2315		2316		2317		2318		2319		2320		2321		2322		2323		2324		2325		2326		2327		2328		2329		2330		2331		2332		2333		2334		2335		2336		2337		2338		2339		2340		2341		2342		2343		2344		2345		2346		2347		2348		2349		2350		2351		2352		2353		2354		2355		2356		2357		2358		2359		2360		2361		2362		2363		2364		2365		2366		2367		2368		2369		2370		2371		2372		2373		2374		2375		2376		2377		2378		2379		2380		2381		2382		2383		2384		2385		2386		2387		2388		2389		2390		2391		2392		2393		2394		2395		2396		2397		2398		2399		2400		2401		2402		2403		2404		2405		2406		2407		2408		2409		2410		2411		2412		2413		2414		2415		2416		2417		2418		2419		2420		2421		2422		2423		2424		2425		2426		2427		2428		2429		2430		2431		2432		2433		2434		2435		2436		2437		2438		2439		2440		2441		2442		2443		2444		2445		2446		2447		2448		2449		2450		2451		2452		2453		2454		2455		2456		2457		2458		2459		2460		2461		2462		2463		2464		2465		2466		2467		2468		2469		2470		2471		2472		2473		2474		2475		2476		2477		2478		2479		2480		2481		2482		2483		2484		2485		2486		2487		2488		2489		2490		2491		2492		2493		2494		2495		2496		2497		2498		2499		2500		2501		2502		2503		2504		2505		2506		2507		2508		2509		2510		2511		2512		2513		2514		2515		2516		2517		2518		2519		2520		2521		2522		2523		2524		2525		2526		2527		2528		2529		2530		2531		2532		2533		2534		2535		2536		2537		2538		2539		2540		2541		2542		2543		2544		2545		2546		2547		2548		2549		2550		2551		2552		2553		2554		2555		2556		2557		2558		2559		2560		2561		2562		2563		2564		2565		2566		2567		2568		2569		2570		2571		2572		2573		2574		2575		2576		2577		2578		2579		2580		2581		2582		2583		2584		2585		2586		2587		2588		2589		2590		2591		2592		2593		2594		2595		2596		2597		2598		2599		2600		2601		2602		2603		2604		2605		2606		2607		2608		2609		2610		2611		2612		2613		2614		2615		2616		2617		2618		2619		2620		2621		2622		2623		2624		2625		2626		2627		2628		2629		2630		2631		2632		2633		2634		2635		2636		2637		2638		2639		2640		2641		2642		2643		2644		2645		2646		2647		2648		2649		2650		2651		2652		2653		2654		2655		2656		2657		2658		2659		2660		2661		2662		2663		2664		2665		2666		2667		2668		2669		2670		2671		2672		2673		2674		2675		2676		2677		2678		2679		2680		2681		2682		2683		2684		2685		2686		2687		2688		2689		2690		2691		2692		2693		2694		2695		2696		2697		2698		2699		2700		2701		2702		2703		2704		2705		2706		2707		2708		2709		2710		2711		2712		2713		2714		2715		2716		2717		2718		2719		2720		2721		2722		2723		2724		2725		2726		2727		2728		2729		2730		2731		2732		2733		2734		2735		2736		2737		2738		2739		2740		2741		2742		2743		2744		2745		2746		2747		2748		2749		2750		2751		2752		2753		2754		2755		2756		2757		2758		2759		2760		2761		2762		2763		2764		2765		2766		2767		2768		2769		2770		2771		2772		2773		2774		2775		2776		2777		2778		2779		2780		2781		2782		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MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1973

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	7.0	11.1	517.0	52.2	90.7	21.8	76.3	23.0	2.8	4.2	21.7	17.4	.5	.4	716.0	24.1
Unitan	6.6	10.4	53.5	5.4	179.3	43.0	45.3	13.6	25.0	37.3	32.2	25.7	57.0	53.8	398.9	13.0
Compana	2.1	3.3	25.7	2.6	25.1	6.0	111.1	33.5	12.0	17.9	15.1	12.1	8.5	8.0	199.6	9.5
Shabet	----	----	175.9	17.8	.1	*	2.6	.8	1.8	2.7	----	----	----	----	180.4	8.6
Betres	4.3	6.8	113.5	11.4	13.0	3.1	7.8	2.3	15.1	22.5	8.3	6.6	.7	.7	162.7	7.7
Falliaer	----	----	6.6	.7	35.0	8.4	33.8	10.2	----	----	1.7	1.4	----	----	77.1	3.7
Hypna	.1	.2	18.4	1.9	9.3	2.2	24.2	7.3	1.4	2.2	9.0	7.2	12.0	11.3	74.4	3.6
Oekap	----	----	35.9	3.6	10.8	2.6	6.5	1.9	----	----	----	----	.8	.8	54.0	2.6
Ingrid	23.6	37.5	----	----	----	----	.4	.1	4.9	7.3	18.6	14.9	----	----	47.5	2.3
Larker	----	----	----	----	34.3	8.2	----	----	----	----	----	.6	.6	.6	34.9	1.7
Vanguard	----	----	19.2	1.9	3.0	.7	.8	.3	----	----	.6	.5	.8	.8	24.4	1.2
Erbet	----	----	----	----	----	----	12.2	3.7	----	----	3.9	3.1	----	----	16.1	.8
Keystone	----	----	----	----	----	----	----	----	----	----	2.4	1.9	13.2	12.4	15.6	.7
Freja	12.7	20.2	----	----	----	----	----	----	----	----	----	----	----	----	12.7	.6
Stephoe	1.1	1.7	6.0	.6	1.9	.5	.7	.2	.3	.4	.8	.6	.8	.8	11.6	.6
Horaford	.3	.5	.6	.1	.5	.1	1.1	.3	1.6	2.3	5.3	4.3	----	----	9.4	.4
Firlecks III	----	----	6.6	.7	----	----	----	----	.7	2.6	.4	.3	----	----	8.7	.4
Dickson	----	----	----	----	5.4	1.3	----	----	----	----	----	----	1.1	1.0	6.5	.3
Titan	----	----	----	----	----	----	----	----	----	----	3.3	2.6	----	----	3.3	.2
Paragon	----	----	----	----	----	----	----	----	----	----	----	----	3.1	2.9	3.1	.2
Moravian	----	----	3.0	.3	----	----	----	----	----	----	----	----	----	----	3.0	.1
Herta	----	----	----	----	2.9	.7	----	----	----	----	----	----	----	----	2.9	.1
Vantage	.9	1.5	----	----	----	----	----	----	----	----	----	----	----	----	.9	*
Yukon	----	----	----	----	.8	.2	----	----	----	----	----	----	----	----	.8	*
Primus II	----	----	----	----	----	----	----	----	----	----	----	----	.7	.7	.7	*
California	.5	.7	----	----	----	----	----	----	----	----	----	----	----	----	.5	*
Conquest	----	----	----	----	----	----	.4	.1	----	----	----	----	----	----	.4	*
Horn	----	----	----	----	.3	.1	----	----	----	----	----	----	----	----	.3	*
Belford	----	----	----	----	----	----	----	----	----	----	.1	.1	----	----	.1	*
Other	3.8	6.1	8.1	.8	4.6	1.1	8.8	2.7	.4	.6	1.6	1.3	6.2	5.8	33.5	1.6
TOTAL	63.0	100.0	990.0	100.0	417.0	100.0	332.0	100.0	67.0	100.0	125.0	100.0	106.0	100.0	2100.0	100.0

*Less than 0.1 percent of total seeded acreage.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1967 - 1974 AND SEEDED ACREAGE 1973 AND 1974

Varieties	Percent of Total Seeded Acreage								SEEDED ACRES	
	1967	1968	1969	1970	1971	1972	1973	1974	1973	1974 1/
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Acreage	Acreage
Pirolina	*	.2	4.3	19.7	32.4	32.0	34.1	35.8	716,000	500,500
Unitan	15.0	12.1	10.0	11.5	14.5	17.8	19.0	16.5	398,900	231,100
Shabet	-----	-----	-----	-----	.2	4.9	8.6	8.4	180,400	117,300
Compana	28.5	16.0	11.5	15.7	11.5	11.8	9.5	8.0	199,600	111,600
Steptoe	-----	-----	-----	-----	-----	-----	.6	6.8	11,600	95,800
Betzes	15.2	13.1	16.3	16.4	17.6	11.5	7.7	6.0	162,700	83,700
Hypana	12.8	40.7	41.2	17.7	6.9	3.8	3.6	2.9	74,400	40,000
Vanguard	-----	-----	-----	-----	-----	.3	1.2	2.7	24,400	37,400
Palliser	5.4	3.0	3.7	3.6	3.9	3.1	3.7	2.4	77,100	33,900
Ingrid	1.8	2.3	1.8	1.6	2.4	2.1	2.3	2.1	47,500	29,200
Oekap	11.0	4.4	3.8	5.1	4.5	4.1	2.6	1.7	54,000	23,400
Moravian	.2	.3	.1	-----	*	.1	.1	1.3	3,000	17,800
Erbet	-----	-----	-----	*	*	.3	.8	1.0	16,100	14,300
Horsford	.3	.2	.2	.3	.3	.5	.4	.9	9,400	13,000
Larker	4.8	2.3	2.4	2.5	1.3	2.1	1.7	.8	34,900	11,200
Freja	.3	.6	.5	.6	.5	.7	.6	.5	12,700	6,800
Dickson	.9	.8	.6	.8	.8	1.1	.3	.2	6,500	2,700
Hector	-----	-----	-----	-----	-----	-----	-----	.2	-----	3,200
Firlebacks III	-----	-----	-----	-----	-----	-----	.4	.2	8,700	3,100
Klages	-----	-----	-----	-----	-----	-----	-----	.2	-----	2,800
Trebi	-----	-----	-----	-----	-----	-----	-----	.1	-----	2,200
Keystone	*	*	*	.3	*	.5	.7	.1	15,600	1,800
Titan	*	*	.1	*	.1	.1	.2	*	3,300	600
Paragon	-----	-----	-----	-----	.5	.2	.2	-----	3,100	-----
Herta	.9	.4	.4	.4	.4	.2	.1	-----	2,900	-----
Vantage	1.0	1.1	.8	1.0	.5	.6	*	-----	900	-----
Yukon	*	.2	.4	.3	.1	.1	*	-----	800	-----
Primus II	-----	-----	-----	-----	-----	.2	*	-----	700	-----
California	*	-----	-----	-----	*	*	*	-----	500	-----
Other	1.9	2.3	1.9	2.5	1.6	1.9	1.6	1.2	34,300	16,600
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,100,000	1,400,000

1/ Preliminary.

* Less than 0.1 percent of total seeded acreage.

STATE DOCUMENTS 1975



JUL 22 1975

MONTANA CROP AND LIVESTOCK REPORTING SERVICE

P. O. Box 1726 - Helena, Montana 59601

Released: July 14, 1975

Montana farmers planted 1,360,000 acres of barley in 1975. The following is a breakdown of the major varieties seeded on these acres according to the Montana Crop and Livestock Reporting Service.

FEED TYPE BARLEY VARIETIES: Compna became the leading feed type barley variety seeded in 1975 reversing it's downward trend from the past several years. Nearly 13 percent of the total barley acreage was planted to this variety compared to 8 percent in 1974. Compna is a two-row variety released in 1941. It has moderately weak, medium-short straw with mid-season maturity. The variety is resistant to loose smut and moderately resistant to covered smut.

Stepoe was in second place accounting for nearly 11 percent of the seeded barley acreage. Stepoe has been increasing in acreage the past three years, and was in third place last year with about 7 percent of the acreage. It is a six-row barley developed by Washington State University. The straw is stiffer than Unitan, with good resistance to lodging.

Unitan slipped from first place last year to third. It now occupies nearly 10 percent of the acreage compared to about 17 percent last year. It has been a leading variety in Montana for many years. Unitan is a six-row, low protein barley which produces high yields on both irrigated and non-irrigated land.

Hector in fourth place, is a new variety which is fast becoming established in Montana. Nearly 9 percent of the barley acreage is now seeded to this variety compared to only 0.2 percent last year. It is a two-row variety developed in Lethbridge, Alberta. Kernel size is medium to small. It is moderately early in maturity and is grown on both irrigated and dry land. It is resistant to smut and most common diseases.

Ingrid is in sixth place with about 3 percent of the acreage, a slight increase from 2 percent last year. It is grown mainly on irrigated lands because of it's late maturity. It is a stiff strawed, two-row variety. Ingrid is slightly shorter than Betzes. It is a Swedish variety and has been grown in Montana since 1963.

MALTING-TYPE BARLEY VARIETIES: Pirolina is still the number one malting variety and also occupies more total acreage than any other variety with nearly 25 percent of the total. It has decreased from last year when it occupied over 35 percent. Pirolina was developed in Germany and is a two-row variety with fairly strong straw. Pirolina yields well, especially on heavy soils, and is fairly resistant to lodging.

Shabet is in second place among malting varieties with over 8 percent of the acreage - nearly unchanged in relative importance from last year.

Betzes remains in the number three spot for malting barley with about 5 percent of the acreage. Last year, the variety had 6 percent of the acreage.

In addition to the three MBIA approved varieties, there are two other malting-type barleys grown in Montana. These are Vanguard with 2 percent of the acreage this year compared to almost 3 last year, and Larker with over 1 percent this year compared to just under 1 percent last year.

Malting-type varieties occupy just over 40 percent of the total acreage in 1975 compared with almost 55 percent last year.

Information in this report is the result of an annual Statewide Survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

7/75

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1975 PRELIMINARY

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	3.5	5.0	250.7	38.0	19.7	8.8	65.0	35.2	2.2	3.0	.4	.5	---	---	341.5	25.1
Compana	.7	1.0	108.5	16.4	16.2	7.3	26.0	14.1	13.4	18.6	4.7	5.9	12.9	18.0	182.4	13.4
Steptoe	4.3	6.2	23.8	3.6	36.6	16.5	25.1	13.6	16.1	22.3	22.7	28.8	19.5	27.2	148.1	10.9
Unitan	8.2	11.7	9.6	1.4	56.8	25.5	12.7	6.9	7.7	10.6	11.5	14.7	28.1	39.1	134.6	9.9
Hector	.9	1.3	71.0	10.8	28.7	12.9	20.5	11.1	---	---	---	---	---	---	121.1	8.9
Shabet	---	---	106.8	16.2	.4	.2	2.7	1.5	7.0	9.8	---	---	---	---	116.9	8.6
Betzes	2.0	2.9	43.8	6.6	1.6	.7	1.1	.6	9.1	12.6	6.2	7.9	.7	.9	64.5	4.7
Ingrid	30.6	43.9	---	---	---	---	.7	.4	---	---	6.2	7.8	---	---	37.5	2.8
Vanguard	---	---	---	---	23.8	10.7	1.4	.7	---	---	---	---	1.5	2.1	26.7	2.0
Palliser	.4	.5	4.1	.6	3.2	1.4	17.1	9.3	---	---	---	---	---	---	24.8	1.8
Dekap	---	---	14.9	2.3	4.5	2.0	2.8	1.5	---	---	---	---	1.3	1.9	23.5	1.7
Hypana	---	---	1.1	.2	8.6	3.9	---	---	---	---	9.2	11.7	.8	1.2	19.7	1.4
Larker	.7	1.1	---	---	15.6	7.0	---	---	---	---	---	---	---	---	16.3	1.2
Firbeck III	---	---	9.4	1.4	---	---	---	---	2.7	3.7	2.0	2.5	---	---	14.1	1.0
Horsford	1.0	1.5	3.7	.6	.8	.4	1.7	.9	.7	1.0	4.5	5.7	---	---	12.4	.9
Moravian	---	---	6.6	1.0	---	---	---	---	3.4	4.7	.8	1.1	---	---	10.8	.8
Freja	9.6	13.8	---	---	---	---	---	---	---	---	---	---	---	---	9.6	.7
Klages	1.1	1.6	.8	.1	---	---	5.9	3.2	---	---	---	---	---	---	7.8	.6
Verio	2.6	3.7	2.9	.4	---	---	---	---	---	---	---	---	---	---	5.5	.4
Other	4.2	5.8	2.7	.4	6.1	2.7	1.9	1.0	9.9	13.7	10.5	13.4	6.9	9.6	42.2	3.2
TOTAL	69.8	100.0	660.4	100.0	222.6	100.0	184.6	100.0	72.2	100.0	78.7	100.0	71.7	100.0	1360.0	100.0

Barley variety statistics are funded by the
Malting Barley Improvement Association.

7/75

MONTANA BARLEY VARIETIES: SEEDED ACRAGE AND PERCENT OF TOTAL BY DISTRICTS - 1974 REVISED

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	5.8	11.3	383.4	55.6	42.3	17.2	56.5	27.2	6.6	11.0	5.9	7.6	---	---	500.5	35.8
Unitan	8.6	16.6	24.7	3.6	96.9	39.5	20.6	9.9	25.8	42.9	21.9	28.3	32.6	48.1	231.1	16.5
Shobet	---	---	107.2	15.5	3.9	1.6	5.3	2.5	.9	1.5	---	---	---	---	117.3	8.4
Compana	.4	.8	23.8	3.5	11.4	4.6	52.2	25.1	4.5	7.5	10.7	13.8	8.6	12.7	111.6	8.0
Steptoe	8.5	16.5	42.3	6.1	20.6	8.4	10.2	4.9	7.3	12.1	4.0	5.2	2.9	4.3	95.8	6.8
Betzee	1.5	3.0	53.1	7.7	14.4	5.9	6.0	2.9	3.5	5.8	3.9	5.0	1.3	1.9	83.7	6.0
Hypens	.9	1.8	5.9	.9	6.1	2.5	12.1	5.8	1.3	2.2	11.5	14.9	2.2	3.2	40.0	2.9
Vanguard	---	---	6.0	.9	13.9	5.7	1.7	.8	---	---	---	---	15.8	23.4	37.4	2.7
Palliser	---	---	4.3	.6	6.7	2.7	22.9	11.0	---	---	---	---	---	---	33.9	2.4
Ingrid	15.4	29.8	---	---	---	---	1.3	.6	3.7	6.2	8.8	11.4	---	---	29.2	2.1
Dekap	---	---	13.3	1.9	5.8	2.3	4.3	2.1	---	---	---	---	---	---	23.4	1.7
Moravian	---	---	15.8	2.3	---	---	---	---	2.0	3.3	---	---	---	---	17.8	1.3
Erbet	---	---	.3	---	---	---	9.3	4.5	---	---	4.7	6.1	---	---	14.3	1.0
Horsford	.1	.2	3.6	.5	1.9	.8	3.4	1.6	3.1	5.2	.9	1.2	---	---	13.0	.9
Larker	---	---	---	---	11.2	4.6	---	---	---	---	---	---	---	---	11.2	.8
Freja	6.2	12.1	---	---	.6	.2	---	---	---	---	---	---	---	---	6.8	.5
Dickson	---	---	---	---	2.7	1.1	---	---	---	---	---	---	---	---	2.7	.2
Hector	---	---	.6	.1	2.6	1.1	---	---	---	---	---	---	---	---	3.2	.2
Firlecks III	---	---	2.2	.3	---	---	---	---	.9	1.5	---	---	---	---	3.1	.2
Klages	---	---	2.8	.4	---	---	---	---	---	---	---	---	---	---	2.8	.2
Trebi	2.2	4.2	---	---	---	---	---	---	---	---	---	---	---	---	2.2	.1
Keystone	---	---	---	---	---	---	---	---	---	---	---	---	1.8	2.7	1.8	.1
Titan	---	---	---	---	---	---	---	---	---	---	---	---	.6	.9	.6	---
Other	1.9	3.7	.7	.1	4.4	1.8	2.2	1.1	.5	.8	5.0	6.5	1.9	2.8	16.6	1.2
TOTAL	51.5	100.0	690.0	100.0	245.4	100.0	208.0	100.0	60.1	100.0	77.3	100.0	67.7	100.0	1400.0	100.0

Daniel L. Herbert,
Agr. Statistician-in-ChargeBarley variety statistics are funded by the
Malting Barley Improvement Association.Raymond Stack,
Agr. Statistician

7/75

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1968 - 1975 AND SEEDED ACREAGE 1974 AND 1975

VARIETIES	Percent of Total Seeded Acreage								SEEDED ACRES	
	1968	1969	1970	1971	1972	1973	1974	1975	1974	1975 1/
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Acreage	Acreage
Pirolina	.2	4.3	19.7	32.4	32.0	34.1	35.8	25.1	500,500	341,500
Compana	16.0	11.5	15.7	11.5	11.8	9.5	8.0	13.4	111,600	182,400
Steptoe	----	----	----	----	----	.6	6.8	10.9	95,800	148,100
Unitan	12.1	10.0	11.5	14.5	17.8	19.0	16.5	9.9	231,100	134,600
Hector	----	----	----	----	----	----	.2	8.9	3,200	121,100
Shabet	----	----	----	.2	4.9	8.6	8.4	8.6	117,300	116,900
Betzes	13.1	16.3	16.4	17.6	11.5	7.7	6.0	4.7	83,700	64,500
Ingrid	2.3	1.8	1.6	2.4	2.1	2.3	2.1	2.8	29,200	37,500
Vanguard	----	----	----	----	.3	1.2	2.7	2.0	37,400	26,700
Falliser	3.0	3.7	3.6	3.9	3.1	3.7	2.4	1.8	33,900	24,800
DeKap	4.4	3.8	5.1	4.5	4.1	2.6	1.7	1.7	23,400	23,500
Hypana	40.7	41.2	17.7	6.9	3.8	3.6	2.9	1.4	40,000	19,700
Larker	2.3	2.4	2.5	1.3	2.1	1.7	.8	1.2	11,200	16,300
Firlbecks III	----	----	----	----	----	.4	.2	1.0	3,100	14,100
Horsford	.2	.2	.3	.3	.5	.4	.9	.9	13,000	12,400
Moravian	.3	.1	----	*	.1	.1	1.3	.8	17,800	10,800
Freja	.6	.5	.6	.5	.7	.6	.5	.7	6,800	9,600
Klages	----	----	----	----	----	----	.2	.6	2,800	7,800
Verio	----	----	----	----	----	*	*	.4	-----	5,500
Other	4.8	4.2	5.3	4.0	5.2	3.9	2.6	3.2	38,200	42,200
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,400,000	1,360,000

1/Preliminary

* Less than 0.1 percent of total seeded acreage.

Barley variety statistics are funded by the
Malting Barley Improvement Association

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BARLEY VARIETIES

1976



STATE DOCUMENTS
Statistical Reporting Service--USDA
Montana Department of Agriculture
P.O. Box 1726 - Helena, Montana

Released July 7, 1976

Montana farmers planted 1,220,000 acres of barley in 1976. The following is a breakdown of the major varieties seeded on these acres according to the Montana Crop and Livestock Reporting Service.

FEED TYPE BARLEY VARIETIES: Hector, a relatively new variety, became the leading feed-type barley grown in Montana in 1976. About 11 percent of the total acreage is seeded to this variety, which is a two-row type developed in Lethbridge, Alberta. Kernel size is medium to small. It is moderately early in maturity and is grown on both irrigated and dry land.

Unitan continued to occupy less total acres after reaching its peak in 1973 but became the second most important feed variety grown in the State this year, with about 9 percent of the total. Unitan is a six-row, low-protein barley, which produces high yields on both irrigated and non-irrigated land.

Steptoe declined in acreage this year and is now in third place, with less than 9 percent of the total. It is a six-row barley developed by Washington State University. The straw is stiffer than Unitan, with good resistance to lodging.

Campana now in fourth place, was in second place last year. However, the variety had been declining in importance for several years except for a comeback last year. Campana is a two-row variety released in 1941. It has moderately weak, medium-short straw, with mid-season maturity.

MALTING-TYPE BARLEY VARIETIES: Pirolina continues to be the leading malting variety and at 25 percent of the total, occupies more acreage than any other variety. Pirolina was developed in Germany and is a two-row variety, with fairly strong straw. Pirolina yields well, especially on heavy soils and is fairly resistant to lodging.

Shabet continued its second place among malting barley varieties, but also attained second place in total acres this year.

Betzes in the number 3 position, was introduced from Poland by the USDA and released by the Montana Experiment Station in 1957. It is a mid-short, medium strength straw, mid-season variety. It is susceptible to loose and covered smut, rust and scald.

Klages, the fourth most important malt variety, was developed by the University of Idaho from composite crosses of Betzes and Domen. It is a two-row, mid-tall stiff strawed variety.

Information in this report is the result of an annual Statewide survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University

Daniel L. Herbert,
Statistician-in-Charge

Raymond C. Stack,
Agr. Statistician

Statistical Reporting Service
U. S. DEPARTMENT OF AGRICULTURE

MONTANA DEPARTMENT OF AGRICULTURE

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1976 PRELIMINARY

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	---	---	208.6	36.1	25.0	15.9	47.7	22.5	13.1	21.2	10.3	12.4	2.0	3.3	306.7	25.1
Shabet	1.3	1.9	176.4	30.5	12.0	7.6	3.3	1.5	14.4	23.3	---	---	---	---	207.4	17.0
Hector	---	---	51.2	8.9	27.0	17.2	44.4	21.0	---	---	9.0	10.8	5.7	9.6	137.3	11.3
Unitan	17.2	25.0	3.9	.7	27.0	17.2	16.0	7.5	8.7	14.0	10.7	12.8	21.1	35.6	104.6	8.6
Steptoe	7.2	10.5	14.8	2.6	25.4	16.1	8.8	4.1	13.3	21.5	20.8	25.0	13.9	23.6	104.2	8.5
Compana	---	---	12.4	2.1	2.3	1.4	32.4	15.3	3.8	6.1	13.5	16.2	5.0	8.5	69.4	5.7
Betzee	.3	.4	49.0	8.5	2.8	1.8	2.5	1.2	3.2	5.2	3.3	4.0	1.6	2.7	62.7	5.1
Klages	.3	.4	15.7	2.7	---	---	11.6	5.5	1.9	3.1	2.9	3.5	---	---	32.3	2.6
Ingrid	27.4	39.9	---	---	---	---	---	---	.4	.6	2.6	3.1	---	---	30.4	2.5
Palliser	---	---	6.9	1.2	---	---	14.1	6.7	---	---	---	---	---	---	21.0	1.7
Firlbeck III	---	---	16.0	2.8	---	---	---	---	---	---	2.4	2.9	---	---	18.5	1.6
Hypana	---	---	.5	.1	12.2	7.8	2.4	1.1	---	---	1.7	2.0	.3	.4	17.1	1.4
Horsford	.2	.3	.5	.1	3.2	2.0	7.5	3.5	.7	1.1	---	---	---	---	12.1	1.0
Vanguard	---	---	4.2	.7	4.8	3.1	2.3	1.1	---	---	---	---	---	---	11.3	.9
Larker	---	---	---	---	9.7	6.2	---	---	---	---	---	---	---	---	9.7	.8
Karl	---	---	2.1	.4	---	---	2.5	1.2	2.4	3.9	.7	.9	---	---	7.7	.6
Freja	6.8	9.9	---	---	---	---	---	---	---	---	---	---	---	---	6.8	.5
Dekap	---	---	---	---	---	---	5.0	2.4	---	---	---	---	---	---	5.0	.4
Erbet	---	---	---	---	---	---	1.4	.7	---	---	1.8	2.2	---	---	3.2	.3
Bison	---	---	---	---	---	---	---	---	---	---	---	---	2.2	3.7	2.2	.2
Georgie	1.8	2.6	---	---	---	---	---	---	---	---	.3	.4	---	---	2.1	.2
Lud	.5	.7	---	---	---	---	---	---	---	---	.3	.4	---	---	.8	.1
Other	5.7	8.4	15.5	2.6	5.9	3.7	9.9	4.7	---	---	3.1	3.4	7.4	12.6	47.5	3.9
TOTAL	68.7	100.0	577.7	100.0	157.3	100.0	211.8	100.0	61.9	100.0	83.4	100.0	59.2	100.0	1,220.0	100.0

Barley variety statistics are funded by the
Malting Barley Improvement Association.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1975 Revised

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		State	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pilotine	3.1	5.0	243.1	38.0	21.4	8.8	72.5	35.2	2.0	3.0	.4	.5	---	---	342.5	25.2
Compana	.6	1.0	104.9	16.4	17.7	7.3	29.0	14.1	12.7	18.6	4.4	5.9	12.0	18.0	181.3	13.3
Steploe	3.8	6.2	23.0	3.6	40.0	16.5	28.0	13.6	15.2	22.3	21.5	28.8	18.2	27.2	149.7	11.0
Union	7.2	11.7	9.0	1.4	61.9	25.5	14.2	6.9	7.2	10.6	11.0	14.7	26.2	39.1	136.7	10.0
Hector	.8	1.3	69.1	10.8	31.3	12.9	22.9	11.1	---	---	---	---	---	---	124.1	9.1
Shabet	---	---	103.6	16.2	.5	.2	3.1	1.5	6.7	9.8	---	---	---	---	113.9	8.4
Betzes	1.8	2.9	42.2	6.6	1.7	.7	1.2	.6	8.6	12.6	5.9	7.9	.6	.9	62.0	4.5
Ingrid	27.3	43.9	---	---	---	---	.8	.4	---	---	5.8	7.8	---	---	33.9	2.5
Vanguard	---	---	---	---	26.0	10.7	1.4	.7	---	---	---	---	1.4	2.1	28.8	2.1
Palliser	.3	.5	3.8	.6	3.4	1.4	19.1	9.3	---	---	---	---	---	---	26.6	2.0
Dekap	---	---	14.7	2.3	4.8	2.0	3.1	1.5	---	---	---	---	1.3	1.9	23.9	1.8
Hypna	---	---	1.3	.2	9.5	3.9	---	---	---	---	8.7	11.7	.8	1.2	20.3	1.5
Lirker	.7	1.1	---	---	17.0	7.0	---	---	---	---	---	---	---	---	17.7	1.3
Firlebeck III	---	---	9.0	1.4	---	---	---	---	2.5	3.7	1.9	2.5	---	---	13.4	1.0
Horsford	.9	1.5	3.8	.6	1.0	.4	1.9	.9	.7	1.0	4.3	5.7	---	---	12.6	.9
Moravian	---	---	6.4	1.0	---	---	---	---	3.2	4.7	.8	1.1	---	---	10.4	.8
Freja	8.5	13.8	---	---	---	---	---	---	---	---	---	---	---	---	8.5	.6
Klages	1.0	1.6	.6	.1	---	---	6.6	3.2	---	---	---	---	---	---	8.2	.6
Verio	2.3	3.7	2.6	.4	---	---	---	---	---	---	---	---	---	---	4.9	.4
Other	3.5	5.8	2.6	.4	6.5	2.7	2.1	1.0	9.5	13.7	10.0	13.4	6.4	9.6	40.6	3.0
TOTAL	61.8	100.0	639.7	100.0	242.7	100.0	205.9	100.0	68.3	100.0	74.7	100.0	66.9	100.0	1,360.0	100.0

Barley variety statistics are funded by the
Malting Barley Improvement Association.

7/76

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1969 - 1976 AND SEEDED ACREAGE 1975 AND 1976

VARIETIES	PERCENT OF TOTAL SEEDED ACREAGE								SEEDED ACRES	
	1969	1970	1971	1972	1973	1974	1975	1976	1975	1976 ^{1/}
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Acreage	Acreage
Pirolone	4.3	19.7	32.4	32.0	34.1	35.8	25.2	25.1	342,500	306,700
Shaber	---	---	.2	4.9	8.6	8.4	8.4	17.0	113,900	207,400
Rector	---	---	---	---	---	.2	9.1	11.3	124,100	137,300
Ortman	10.0	11.5	14.5	17.8	19.0	16.5	10.0	8.6	136,700	104,600
Steploe	---	---	---	---	.6	6.8	11.0	8.5	149,700	104,200
Compana	11.5	15.7	11.5	11.8	9.5	8.0	13.3	5.7	181,300	69,400
Netzes	16.3	16.4	17.6	11.5	7.7	6.0	4.5	5.1	62,000	62,700
Elages	---	---	---	---	---	.2	.6	2.7	8,200	32,300
Gayrid	1.8	1.6	2.4	2.1	2.3	2.1	2.5	2.5	33,900	30,400
Balliser	3.7	3.6	3.9	3.1	3.7	2.4	2.0	1.7	26,600	21,000
Giriback III	---	---	---	---	.4	.2	1.0	1.5	13,400	18,500
Hypana	41.2	17.7	6.9	3.8	3.6	2.9	1.5	1.4	20,300	17,100
Horsford	.2	.3	.3	.5	.4	.9	.9	1.0	12,600	12,100
Vanguard	---	---	---	.3	1.2	2.7	2.1	.9	28,800	11,300
Larker	2.4	2.5	1.3	2.1	1.7	.8	1.3	.8	17,700	9,700
Karl	---	---	---	---	---	---	---	.6	---	7,700
Freja	.5	.6	.5	.7	.6	.5	.6	.5	8,500	6,800
Okap	3.8	5.1	4.5	4.1	2.6	1.7	1.8	.4	23,900	5,000
Erbet	---	---	---	.3	.8	1.0	---	.3	---	3,200
Bison	---	---	---	---	---	---	*	.2	---	2,200
Georgie	---	---	---	---	---	---	---	.2	---	2,100
Lud	---	---	---	---	---	---	---	.1	---	800
Other	4.3	5.3	4.0	5.0	3.2	2.9	4.2	3.9	55,900	47,500
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,360,000	1,220,000

^{1/} Preliminary

* Less than 0.1 percent of total seeded acreage.

Barley variety statistics are funded by the
Malting Barley Improvement Association

630-20112
A7M
1977

BARLEY VARIETIES

1977

STATE DOCUMENTS



Statistical Reporting Service-USDA
Montana Department of Agriculture
P.O. Box 4369--Helena, MONT

Released: July 13, 1977

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Montana farmers planted 1.5 million acres of barley in 1977. The following is a breakdown showing the major varieties seeded on those acres according to the Montana Crop and Livestock Reporting Service.

FEED TYPE BARLEY VARIETIES: Hector increased its share of total barley seedings and maintained the Number 1 position among feed types in Montana in 1977. More than 14 percent of all barley acres were seeded to Hector. Hector is a two-row variety with high yielding ability and test weight. Kernel size is medium to small. It is medium in maturity, with good lodging resistance.

Unitan lost some ground to other varieties but maintained its Number 2 position as a feed barley, with 7.9 percent of total seeded acres. Unitan is a six-row variety with high yielding ability but medium to low in test weight. Kernel size and lodging resistance are both medium. Maturity is early. The variety is susceptible to stem rust and is low in protein.

Steproe acreage continued to decline but accounted for 4.7 percent of the barley acreage and is the third most popular feed variety. Steproe is a six-row variety with very high yielding ability. Kernel size is large, maturity is early, and lodging resistance is good. Test weight is medium to low and protein content is low.

Compana remained in 4th position with 3 percent of seeded acres. Compana is a two-row variety with medium yield ability and test weight. Kernel size is large with mid-season maturity. It has low lodging resistance and short plant height.

MALTING-TYPE BARLEY VARIETIES: Piroline increased its share of the barley seedings from 1976 to 1977, and with 36.7 percent of the total acreage is firmly established as Number 1--over all varieties. Piroline is a two-row variety relatively strong strawed, with medium yield ability and good test weight.

Klages moved into the second position for malting barley varieties, with 6.1 percent of the total acres. Klages is a two-row type with medium sized kernels. It is a mid-tall stiff strawed variety.

Shabet occupies the Number 3 slot in malting varieties this year, with 5 percent of all barley acres. Shabet is a two-row variety with medium to high yielding ability. Test weight is good. Kernel size is small. Maturity and lodging resistance are medium. The variety has good shattering resistance.

Larker staged a comeback in the northeast district and accumulated 3.7 percent of the State's barley acreage. Larker is a semi-smooth awned six-rowed variety released by the North Dakota State Experiment Station in 1961.

Information in this report is the result of an annual Statewide survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Daniel L. Herbert,
State Statistician

Sidney W. Lebahn,
Agr. Statistician

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1977 PRELIMINARY

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	.5	.8	389.8	59.7	39.8	13.1	101.0	39.0	8.6	13.2	8.8	12.6	1.8	2.1	550.3	36.7
Hector	1.1	1.7	60.1	9.2	66.3	21.8	69.2	26.7	--	--	6.2	8.9	11.0	12.9	213.9	14.3
Unitan	6.1	9.6	5.9	.9	50.8	16.7	4.1	1.6	20.5	31.6	14.4	20.6	17.1	20.1	118.9	7.9
Klages	6.5	10.1	45.1	6.9	--	--	33.4	12.9	4.0	6.2	2.7	3.9	--	--	91.7	6.1
Shabet	--	--	65.3	10.0	2.1	.7	3.9	1.5	2.1	3.2	1.8	2.5	--	--	75.2	5.0
Steptoe	2.8	4.4	2.0	.3	14.6	4.8	13.7	5.3	18.8	29.0	9.1	13.0	8.9	10.5	69.9	4.7
Larker	3.1	4.8	.7	.1	49.2	16.2	--	--	--	--	--	--	1.9	2.2	54.9	3.7
Compana	.4	.7	7.8	1.2	9.7	3.2	9.8	3.8	2.9	4.5	2.5	3.6	12.1	14.2	45.2	3.0
Betzes	.8	1.2	21.5	3.3	11.2	3.7	.5	.2	4.7	7.2	3.8	5.4	--	--	42.5	2.8
Hypana	.5	.8	3.3	.5	18.5	6.1	7.5	2.9	--	--	2.0	2.9	7.2	8.5	39.0	2.6
Ingrid	33.0	51.6	--	--	--	--	--	--	.5	.7	4.5	6.4	--	--	38.0	2.5
Moravian 3	--	--	19.6	3.0	--	--	--	--	--	--	2.5	3.6	--	--	22.1	1.5
Dickson	--	--	--	--	14.9	4.9	--	--	--	--	--	--	6.9	8.1	21.8	1.5
Firlebecks III	--	--	16.3	2.5	--	--	--	--	--	--	3.7	5.3	--	--	20.0	1.3
Karl	1.9	2.9	2.6	.4	--	--	6.0	2.3	2.4	3.7	.5	.7	--	--	13.4	.9
Palliser	--	--	4.6	.7	.3	.1	3.9	1.5	--	--	1.5	2.1	--	--	10.3	.7
Horsford	.4	.7	1.3	.2	1.5	.5	3.9	1.5	.5	.7	.5	.7	--	--	8.1	.5
Vanguard	--	--	--	--	5.2	1.7	--	--	--	--	--	--	1.8	2.1	7.0	.5
Conquest	--	--	--	--	5.8	1.9	--	--	--	--	--	--	--	--	5.8	.4
Horn	--	--	--	--	5.8	1.9	--	--	--	--	--	--	--	--	5.8	.4
Other	6.9	10.7	7.1	1.1	8.3	2.7	2.1	.8	--	--	5.5	7.8	16.3	19.3	46.2	3.0
TOTAL	64.0	100.0	653.0	100.0	304.0	100.0	259.0	100.0	65.0	100.0	70.0	100.0	85.0	100.0	1,500.0	100.0

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1976 REVISED

Varieties	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	--	--	205.1	36.1	29.2	15.9	42.2	22.5	14.0	21.2	10.4	12.4	2.2	3.3	303.1	24.8
Shabet	1.2	1.9	173.4	30.5	14.0	7.6	2.9	1.5	15.4	23.2	--	--	--	--	206.9	17.0
Hector	--	--	50.3	8.9	31.5	17.1	39.3	21.0	--	--	9.1	10.8	6.3	9.6	136.5	11.2
Steptoe	6.8	10.5	14.6	2.6	29.7	16.2	7.8	4.2	14.3	21.6	21.0	25.0	15.5	23.5	109.7	9.0
Unitan	16.1	25.0	3.8	.7	31.5	17.1	14.2	7.5	9.3	14.0	10.8	12.8	23.5	35.7	109.2	8.9
Compana	--	--	12.2	2.1	2.7	1.5	28.7	15.3	4.1	6.2	13.6	16.2	5.6	8.5	66.9	5.5
Betzes	.3	.5	48.2	8.5	3.3	1.8	2.2	1.2	3.4	5.1	3.3	3.9	1.8	2.7	62.5	5.1
Klages	.3	.5	15.5	2.7	--	--	10.3	5.5	2.0	3.0	2.9	3.4	--	--	31.0	2.5
Ingrid	25.7	39.8	--	--	--	--	--	--	.4	.6	2.6	3.1	--	--	28.7	2.4
Palliser	--	--	6.8	1.2	--	--	12.5	6.7	--	--	--	--	--	--	19.3	1.6
Hypna	--	--	.5	.1	14.3	7.8	2.1	1.3	--	--	1.7	2.0	.3	.5	18.9	1.5
Firlbeck III	--	--	15.7	2.8	--	--	--	--	--	--	2.4	2.9	--	--	18.1	1.5
Horsford	.2	.3	.5	.1	3.7	2.0	6.6	3.5	.8	1.2	--	--	--	--	11.8	1.0
Vanguard	--	--	4.1	.7	5.6	3.0	2.0	1.1	--	--	--	--	--	--	11.7	.9
Larker	--	--	--	--	11.3	6.2	--	--	--	--	--	--	--	--	11.3	.9
Karl	--	--	2.1	.4	--	--	2.2	1.2	2.6	3.9	.7	.8	--	--	7.6	.6
Freja	6.4	9.9	--	--	--	--	--	--	--	--	--	--	--	--	6.4	.5
Dekap	--	--	--	--	--	--	4.4	2.3	--	--	--	--	--	--	4.4	.4
Erbet	--	--	--	--	--	--	1.2	.6	--	--	1.8	2.1	--	--	3.0	.3
Bison	--	--	--	--	--	--	--	--	--	--	--	--	2.5	3.8	2.5	.2
Georgie	1.7	2.6	--	--	--	--	--	--	--	--	.3	.4	--	--	2.0	.2
Lud	.5	.8	--	--	--	--	--	--	--	--	.3	.4	--	--	.8	.1
Other	5.3	8.2	15.2	2.6	7.0	3.8	8.8	4.6	--	--	3.2	3.8	8.2	12.4	47.7	3.9
TOTAL	64.5	100.0	568.0	100.0	183.8	100.0	187.4	100.0	66.3	100.0	84.1	100.0	65.9	100.0	1,220.0	100.0

MONIANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1970 - 1977 AND SEEDED ACREAGE 1976 AND 1977

Varieties	PERCENT OF TOTAL SEEDED ACREAGE								SEEDED ACRES	
	1970	1971	1972	1973	1974	1975	1976	1977	1976	1977 ^{1/}
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Acreage	Acreage
Piroline	19.7	32.4	32.0	34.1	35.8	25.2	24.8	36.7	330,100	550,300
Hector	--	--	--	--	.2	9.1	11.2	14.3	136,500	213,900
Unitan	11.5	14.5	17.8	19.0	16.5	10.0	8.9	7.9	109,200	118,900
Klages	--	--	--	--	.2	.6	2.5	6.1	31,000	91,700
Shabet	--	.2	4.9	8.6	8.4	8.4	17.0	5.0	206,900	75,200
Steptoe	--	--	--	.6	6.8	11.0	9.0	4.7	109,700	69,900
Larker	2.5	1.3	2.1	1.7	.8	1.3	.9	3.7	11,300	54,900
Compana	15.7	11.5	11.8	9.5	8.0	13.3	5.5	3.0	66,900	45,200
Betzes	16.4	17.6	11.5	7.7	6.0	4.5	5.1	2.8	62,500	42,500
Hypana	17.7	6.9	3.8	3.6	2.9	1.5	1.5	2.6	18,900	39,000
Ingrid	1.6	2.4	2.1	2.3	2.1	2.5	2.4	2.5	28,700	38,000
Moravian 3	--	--	--	--	--	--	--	1.5	---	22,100
Dickson	.8	.8	1.1	.3	.2	.2	--	1.5	---	21,800
Firlbecks III	--	--	--	.4	.2	1.0	1.5	1.3	18,100	20,000
Karl	--	--	--	--	--	--	.6	.9	7,600	13,400
Palliser	3.6	3.9	3.1	3.7	2.4	2.0	1.6	.7	19,300	10,300
Horsford	.3	.3	.5	.4	.9	.9	1.0	.5	11,800	8,100
Vanguard	--	--	.3	1.2	2.7	2.1	.9	.5	11,700	7,000
Conquest	*	*	*	*	*	*	*	.4	---	5,800
Horn	.4	.2	.3	*	*	.1	*	.4	---	5,800
Other	9.8	8.0	8.7	6.9	5.9	6.3	5.6	3.0	39,800	46,200
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,220,000	1,500,000

^{1/} Preliminary.

* Less than 0.1 percent of total seeded acreage

BARLEY VARIETIES



Economics, Statistics, and
Cooperatives Service-USDA
Montana Dept. of Agriculture
P.O. Box 4369-Helena, MT

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1978

1978 STATE DOCUMENTS COLLECTION

JUL 20 1978

Released: July 14, 1978

MONTANA STATE LIBRARY
930 E. Lyndale Ave.
Helena, Montana 59601

Montana farmers and ranchers seeded 1.55 million acres of barley in 1978. The following breakdown showing major varieties seeded on those acres was obtained from a June survey of growers conducted by the Montana Crop and Livestock Reporting Service.

MALTING TYPE BARLEY VARIETIES: Three malting-type varieties accounted for nearly 48 percent of total acres seeded to barley. Pirol line remained in the Number 1 over-all position, with 477,300 acres. Klages was the third most important overall, and second position malting variety with 192,900 acres. Shabet was the Number 3 malting variety, but with 68,400 acres it ranked seventh overall.

Pirol line lost some ground to other varieties and occupied 31 percent of total acreage, but is still firmly entrenched in the Number 1 spot. Pirol line is a two-row variety relatively strong strawed, with medium yield ability and good test weight.

Klages remains in the second position among malting varieties, with 12 percent of total acres. Klages is a two-row type with medium size kernels. It is a mid-tall, stiff-strawed variety.

Shabet is Number 3 among malting varieties and occupies 4 percent of seeded barley acres. Shabet is a two-row variety, with medium to high yielding ability. Test weight is good. Kernel size is small. Maturity and lodging resistance are medium. The variety has good shattering resistance.

Betzes was the fourth most important malting variety, with 3 percent of the State's barley acreage. Betzes is a mid-short, medium-strength straw, mid-season variety. It is susceptible to loose and covered smut, rust and scald.

FEED TYPE BARLEY VARIETIES: Hector continues to increase in popularity with growers and maintained its Number 1 position among feed varieties, with 15.6 percent of total barley acres seeded to this variety. Hector is a two-row barley, with high yield ability and test weight. Kernel size is medium to small. It is medium in maturity, with good lodging resistance.

Unitan continues to lose ground in relative importance with other varieties but is still the Number 2 feed barley, with 6.2 percent of all barley acres. Unitan is a six-row variety, with high-yielding ability but medium to low test weight. Kernel size and lodging resistance are both medium. Maturity is early. The variety is susceptible to stem rust and is low in protein.

Compana follows Unitan closely, occupying third spot with 6.0 percent of the seeded acres. Compana is a two-row variety with medium yield ability and test weight. Kernel size is large, with mid-season maturity. It has low lodging resistance and short plant height.

Step toe acreage held slightly above last year's level but relative importance placed this variety in fourth position, with 5.0 percent of total acres. Step toe is a six-row variety with very high yielding ability. Kernel size is large, maturity is early, and lodging resistance is good. Test weight is medium to low and protein content is low.

Information in this report is the result of an annual Statewide survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Daniel L. Herbert,
State Statistician

Sidney W. Lebahn,
Agr. Statistician

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1978 PRELIMINARY

Variety		N. West		N. Central		N. East		Central		S. West		S. Central		S. East		STATE	
		Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina	M	1.2	1.8	347.9	52.5	33.5	13.1	63.5	21.2	15.6	19.5	22.5	18.0	1.0	1.6	485.2	31.3
Hector		--	--	26.4	4.0	79.8	31.3	91.7	30.6	--	--	32.6	26.1	10.8	17.1	241.3	15.6
Klages	M	4.4	6.9	106.4	16.1	5.2	2.0	50.8	16.9	19.3	24.1	6.8	5.4	--	--	192.9	12.4
Unitan		7.8	12.0	6.7	1.0	21.3	8.4	9.4	3.1	6.0	7.5	21.2	17.0	23.1	36.7	95.5	6.2
Compana		3.7	5.7	23.1	3.5	9.5	3.7	36.8	12.3	3.1	3.9	16.3	13.0	--	--	92.5	6.0
Stephoe		1.0	1.5	5.5	.8	29.3	11.5	12.4	4.2	9.5	11.9	8.3	6.6	11.4	18.1	77.4	5.0
Shabet	M	--	--	65.6	9.9	--	--	2.8	.9	--	--	--	--	--	--	68.4	4.4
Hypana		--	--	7.4	1.1	13.6	5.3	18.3	6.1	8.6	10.7	--	--	--	--	47.9	3.1
Betzes	M	--	--	27.5	4.1	6.6	2.6	--	--	.1	.1	.4	.3	8.5	13.5	43.1	2.8
Larker		6.1	9.4	5.1	.8	28.2	11.1	--	--	--	--	--	--	--	--	39.4	2.5
Ingrid		23.0	35.4	--	--	--	--	--	--	2.0	2.5	4.0	3.2	--	--	29.0	1.9
Horsford		1.3	2.0	8.7	1.3	1.2	.5	5.5	1.8	4.0	5.0	.6	.5	--	--	21.3	1.4
Summit		2.2	3.4	4.4	.7	5.2	2.0	1.1	.4	2.7	3.4	--	--	--	--	15.6	1.0
Karl	M	3.2	4.9	5.8	.9	--	--	.7	.2	5.6	7.0	--	--	--	--	15.3	1.0
Vanguard		--	--	7.8	1.2	5.6	2.2	--	--	.8	1.0	.2	.2	--	--	14.4	.9
Palliser		--	--	--	--	6.8	2.7	.7	.2	--	--	--	--	--	--	7.5	.5
Firlebeck III	M	--	--	5.5	.8	--	--	--	--	--	--	1.1	.9	--	--	6.6	.4
Moravian III	M	--	--	2.5	.4	--	--	--	--	--	--	1.5	1.2	--	--	4.0	.3
Freja		2.5	3.8	--	--	--	--	--	--	--	--	--	--	1.2	1.9	3.7	.2
Vireo		3.4	5.2	--	--	--	--	--	--	--	--	--	--	--	--	3.4	.2
Other		5.2	8.0	5.7	.9	9.2	3.6	6.3	2.1	2.7	3.4	9.5	7.6	7.0	11.1	45.6	2.9
TOTAL		65.0	100.0	662.0	100.0	255.0	100.0	300.0	100.0	80.0	100.0	125.0	100.0	63.0	100.0	1,550.0	100.0

M - Acceptable varieties of malting barley for 1978 in Montana according to Malting Barley Improvement Association.

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1979

BARLEY VARIETIES

1979



Economics, Statistics, and
Cooperatives Service-USDA

Montana Dept. of Agriculture STATE DOCUMENTS COLLECTION

P.O. Box 4369-Helena, MT

Released: July 10, 1979

Montana farmers and ranchers seeded 1.10 million acres of barley in 1979. The following breakdown showing major varieties seeded on those acres was obtained from a June survey of growers conducted by the Montana Crop and Livestock Reporting Service.

930 E Lyndale Ave.
Helena, Montana 59601

MALTING TYPE BARLEY VARIETIES: One half of the Montana total barley acreage in 1979 was seeded to approved malting types. Piroline, with 320,700 acres, remained the most popular variety in the State. Another important malting variety, Klages, occupied 152,800 acres keeping its third place over-all ranking. Shabet, with 57,500 acres was the third most important malting variety and moved up to fourth place over-all.

Piroline lost some ground to other varieties and now has 29 percent of the total acreage, still nearly double the second place variety. Piroline is a two-row variety relatively strong strawed, with medium yield ability and good test weight.

Klages remains in the second position among malting varieties, with 14 percent of total acres. Klages is a two-row type with medium size kernels. It is a mid-tall, stiff-strawed variety.

Shabet is Number 3 among malting varieties and occupies 5 percent of seeded barley acres. Shabet is a two-row variety, with medium to high yielding ability. Test weight is good. Kernel size is small. Maturity and lodging resistance are medium. The variety has good shattering resistance.

Betzes was the fourth most important malting variety, with 3 percent of the State's barley acreage. Betzes is a mid-short, medium-strength straw, mid-season variety. It is susceptible to loose and covered smut, rust and scald.

FEED TYPE BARLEY VARIETIES: Hector continues to increase in popularity with growers and maintained its Number 1 position among feed varieties, with nearly 17 percent of total barley acres seeded. Hector is a two-row barley, with high yield ability and test weight. Kernel size is medium to small. It is medium in maturity, with good lodging resistance.

Unitan continues to lose ground in relative importance with other varieties but is still the Number 2 feed barley, with 5 percent of all barley acres. Unitan is a six-row variety, with high-yielding ability but medium to low test weight. Kernel size and lodging resistance are both medium. Maturity is early. The variety is susceptible to stem rust and is low in protein.

Summit increased significantly this year and is now in third place with 4 percent of total seeded acres. Summit is a 2-row variety which is mid-tall and mid-season in maturity.

Steploe acreage decreased from last year's level but relative importance placed this variety in fourth position, with less than 4 percent of total acres. Steploe is a six-row variety with very high yielding ability. Kernel size is large, maturity is early, and lodging resistance is good. Test weight is medium to low and protein content is low.

Information in this report is the result of an annual Statewide survey of Montana barley growers who report acreages of various barley varieties seeded on their farms and ranches. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Daniel L. Herbert,
State Statistician

Raymond C. Stack,
Agr. Statistician

U.S. DEPARTMENT OF AGRICULTURE
Montana Crop and Livestock Reporting Service
P.O. Box 4369
Helena, Mont. 59601

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
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AGR 101
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HELENA MT 59601

MONTANA BARLEY VARIETIES: SEE0EO ACREAGE AND PERCENT OF TOTAL BY OISTRICTS -- 1979 PRELIMINARY

VARIETY		N.WEST		N.CENTRAL		N.EAST		CENTRAL		S.WEST		S.CENTRAL		S.EAST		STATE	
		Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolaine	M	.8	1.3	225.7	45.5	9.5	7.9	68.6	31.8	12.6	19.1	3.5	3.7	--	--	320.7	29.1
Hector		--	--	22.3	4.5	52.5	43.4	53.8	24.9	2.3	3.5	41.8	44.5	10.9	24.8	183.6	16.7
Klages	M	4.5	7.1	104.9	21.1	--	--	28.0	13.0	8.0	12.1	7.4	7.9	--	--	152.8	13.9
Shabet	M	--	--	49.3	9.9	--	--	1.1	.5	5.8	8.8	1.3	1.4	--	--	57.5	5.2
Unitan		13.9	22.1	.3	.1	15.9	13.1	8.4	3.9	5.3	8.0	4.3	4.6	6.7	15.2	54.8	5.0
Summit		--	--	14.7	3.0	4.3	3.5	6.1	2.8	18.1	27.4	--	--	--	--	43.2	3.9
Steptoe		--	--	--	--	11.8	9.8	3.0	1.4	.4	.6	10.4	11.0	13.8	31.4	39.4	3.6
Compana		--	--	10.8	2.2	.4	.3	16.0	7.4	.5	.8	2.0	2.1	1.2	2.7	30.9	2.8
Horsford		7.6	12.1	4.9	1.0	.2	.1	6.2	2.9	4.2	6.4	6.7	7.1	--	--	29.8	2.7
Betztes	M	--	--	19.4	3.9	2.3	1.9	1.6	.7	1.1	1.6	--	--	5.1	11.6	29.5	2.7
Ingrid		21.9	34.8	--	--	--	--	--	--	.4	.6	2.6	2.8	--	--	24.9	2.3
Hypana		--	--	16.8	3.4	--	--	1.1	.5	.1	.1	.5	.5	--	--	18.5	1.7
Fairfield		--	--	8.1	1.6	--	--	10.1	4.7	--	--	--	--	--	--	18.2	1.7
Larker		--	--	6.5	1.3	6.9	5.7	--	--	--	--	--	--	4.3	9.7	17.7	1.6
Karl	M	2.3	3.6	--	--	--	--	.7	.3	4.6	7.0	--	--	--	--	7.6	.7
Vireo		6.2	9.8	--	--	--	--	--	--	--	--	--	--	--	--	6.2	.6
Vanguard		--	--	--	--	2.0	1.7	--	--	1.4	2.2	1.7	1.8	--	--	5.1	.4
Moravian III	M	--	--	3.0	.6	--	--	--	--	--	--	--	--	--	--	3.0	.3
Freja		2.1	3.4	--	--	--	--	--	--	--	--	--	--	--	--	2.1	.2
Other		3.7	5.9	9.3	1.9	15.2	12.6	11.3	5.2	1.2	1.8	11.8	12.6	2.0	4.5	54.5	4.9
TOTAL		63.0	100.0	496.0	100.0	121.0	100.0	216.0	100.0	66.0	100.0	94.0	100.0	44.0	100.0	1,100.0	100.0

M - Acceptable varieties of malting barley for 1979 in Montana according to Malting Barley Improvement Association.

MONTANA BARLEY VARIETIES: SEEOEO ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1978 REVISED

Variety	N. West		N. Central		N. East		Central		S. West		S. Central		S. East		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Pirolina M	1.2	1.8	351.1	52.4	27.9	13.1	60.5	21.0	15.2	19.5	22.0	18.0	1.0	1.6	478.5	31.9
Hector	--	--	26.8	4.0	65.4	30.7	88.1	30.6	--	--	32.2	26.3	10.6	17.1	223.1	14.9
Klages M	4.6	6.9	107.9	16.1	4.3	2.0	48.7	16.9	18.8	24.1	6.6	5.4	--	--	190.5	12.7
Unitan	8.9	13.3	6.7	1.0	17.9	8.4	8.9	3.1	5.9	7.5	20.8	17.0	22.7	36.6	91.7	6.1
Compana	3.8	5.7	23.5	3.5	7.9	3.7	35.9	12.5	3.0	3.9	15.9	13.0	--	--	90.0	6.0
Steptoe	1.0	1.5	5.3	.8	24.5	11.5	12.1	4.2	9.3	11.9	8.1	6.6	11.9	19.2	72.2	4.8
Shabet M	--	--	63.4	9.5	--	--	2.6	.9	--	--	--	--	--	--	66.0	4.4
Hypana	--	--	9.3	1.4	11.3	5.3	17.6	6.1	8.3	10.7	--	--	--	--	46.5	3.1
Setzes M	--	--	27.5	4.1	5.5	2.6	--	--	.1	.1	.5	.3	8.4	13.6	42.0	2.8
Larker	6.3	9.4	7.6	1.1	23.6	11.1	--	--	--	--	--	--	--	--	37.5	2.5
Ingrid	23.2	34.8	--	--	--	--	--	--	2.0	2.5	3.9	3.2	--	--	30.0	2.0
Horsford	1.3	2.0	8.9	1.3	1.1	.5	5.2	1.8	3.9	5.0	.6	.5	--	--	21.0	1.4
Summit	2.3	3.4	4.6	.7	4.3	2.0	1.2	.4	2.6	3.4	--	--	--	--	15.0	1.0
Karl M	3.3	4.9	5.6	.8	--	--	.6	.2	5.5	7.0	--	--	--	--	15.0	1.0
Vanguard	--	--	7.8	1.2	4.7	2.2	--	--	.8	1.0	.2	.2	--	--	13.5	.9
Palliser	--	--	--	--	6.9	3.3	.6	.2	--	--	--	--	--	--	7.5	.5
Firlbeck III M	--	--	4.9	.7	--	--	--	--	--	--	1.1	.9	--	--	6.0	.4
Moravian III M	--	--	3.1	.5	--	--	--	--	--	--	1.4	1.2	--	--	4.5	.3
Freja	2.5	3.8	--	--	--	--	--	--	--	--	--	--	.5	.8	3.0	.2
Vireo	3.0	4.5	--	--	--	--	--	--	--	--	--	--	--	--	3.0	.2
Other	5.3	8.0	6.0	.9	7.7	3.6	6.0	2.1	2.6	3.4	9.0	7.4	6.9	11.1	43.5	2.9
TOTAL	66.7	100.0	670.0	100.0	213.0	100.0	288.0	100.0	78.0	100.0	122.3	100.0	62.0	100.0	1,500.0	100.0

M - Acceptable varieties of malting barley for 1978 in Montana according to Malting Barley Improvement Association.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1972 - 1979 AND SEEDED ACREAGE 1978 - 1979

VARIETIES	PERCENT OF TOTAL SEEDED ACREAGE									SEEDED ACRES	
	1972	1973	1974	1975	1976	1977	1978	1979		1978	1979 1/
	Percent									Acreage	
Piroline	32.0	34.1	35.8	25.2	24.8	37.8	31.9	29.1		478,500	320,700
Hector	--	--	.2	9.1	11.2	14.3	14.9	16.7		223,100	183,600
Klages	--	--	.2	.6	2.5	6.1	12.7	13.9		190,500	152,800
Shabet	4.9	8.6	8.4	8.4	17.0	5.0	4.4	5.2		66,000	57,500
Unitan	17.8	19.0	16.5	10.0	8.9	7.9	6.1	5.0		91,700	54,800
Summit	--	--	--	--	--	--	1.0	3.9		15,000	43,200
Steptoe	--	.6	6.8	11.0	9.0	4.7	4.8	3.6		72,200	39,400
Compana	11.8	9.5	8.0	13.3	5.5	3.0	6.0	2.8		90,000	30,900
Horsford	.5	.4	.9	.9	1.0	.5	1.4	2.7		21,000	29,800
Betztes	11.5	7.7	6.0	4.5	5.1	2.8	2.8	2.7		42,000	29,500
Ingrid	2.1	2.3	2.1	2.5	2.4	2.5	2.0	2.3		30,000	24,900
Hypana	3.8	3.6	2.9	1.5	1.5	2.6	3.1	1.7		46,500	18,500
Fairfield	--	--	--	--	--	--	--	1.7		---	18,200
Larker	2.1	1.7	.8	1.3	.9	3.7	2.5	1.6		37,500	17,700
Karl	--	--	--	--	.6	.9	1.0	.7		15,000	7,600
Vireo	--	--	--	--	--	--	.2	.6		3,000	6,200
Vanguard	.3	1.2	2.7	2.1	.9	.5	.9	.4		13,500	5,100
Moravian III	--	--	--	--	--	.4	.3	.3		4,500	3,000
Freja	--	--	--	--	--	--	.2	.2		3,000	2,100
Palliser	3.1	3.7	2.4	2.0	1.6	.7	.5	.1		7,500	1,000
Firlebeck III	--	.4	.2	1.0	1.5	1.3	.4	.1		6,000	600
Other	10.1	7.2	6.1	6.6	5.6	5.3	2.9	4.7		43,500	52,900
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		1,500,000	1,100,000

1/ Preliminary.

630,20112
A7M

JUL 10, 1980

BARLEY VARIETIES

STATE DOCUMENTS COLLECTION

1980

PLEASE RETURN

Released: July 10, 1980



Economics, Statistics, and
Cooperatives Service--USDA
Montana Dept. of Agriculture
P.O. Box 4369--Helena, MT

Montana farmers and ranchers seeded 1.18 million acres of barley in 1980. The following breakdown showing major varieties seeded on those acres was obtained from a June survey of growers by the Montana Crop and Livestock Reporting Service.

MALTING TYPE BARLEY VARIETIES: Nearly one-half of the total Montana barley acreage in 1980 was seeded to recommended malting types. Pirolina, with 349,500 acres, remained the most popular variety in the State. Klages, another important malting variety, occupied 122,000 acres--keeping its third place over all ranking. Shabet, with 67,800 acres was the third most important malting variety and was in fourth place overall.

Pirolina gained slightly in acreage and now has 30 percent of the total planted barley acreage. Pirolina is a two-row variety, relatively strong strawed, with medium yield ability and good test weight.

Klages, remains in second position among malting varieties, with 10 percent of the total acreage. Klages is a two-row type with medium size kernels. It is a mid-tall, stiff-strawed variety.

Shabet is third among malting varieties--6 percent of the total acreage. Shabet is a two-row variety, with medium to high yielding ability. Test weight is good, kernel size is small. Maturity and lodging resistance are medium. The variety has good shattering resistance.

Betzes was the fourth most important malting variety with about 2 percent of the total State acreage. Betzes is a mid-short, medium-strength straw, mid-season variety. It is susceptible to loose and covered smut, rust and scald.

FEED TYPE BARLEY VARIETIES: Hector continues to increase in acreage and still remains in first place among feed varieties, with over 20 percent of total barley acres seeded. Hector is a two-row barley, with high yield ability and test weight. Kernel size is medium to small. It is medium in maturity, with good lodging resistance.

Fairfield has climbed to second place among feed varieties, with 5 percent of the total acreage. Fairfield is a two-row, rough awned variety equal in yield and maturity to Shabet with more resistance to lodging and net blotch. It is susceptible to rust and smuts. It has not been accepted for malting.

Unitan slipped to third place among feed varieties from second last year and also has 5 percent of the total acreage. Unitan is a six-row variety, with high yielding ability, but medium to low test weight. Kernel size and lodging resistance are both medium. Maturity is early--the variety is susceptible to stem rust and is low in protein.

Compana was in fourth place with just over 3 percent of the total acres. Compana is a two-rowed, white seeded, semi-smooth-awned variety with drought resistance and medium sized seed.

Summit fell to fifth place from third last year--it occupies nearly 3 percent of the total barley seeded acreage. Summit is a two-row variety which is mid-tall and mid-season in maturity.

UNITED STATES DEPARTMENT OF AGRICULTURE
Montana Crop & Livestock Reporting Service
P. O. Box 4369
Helena, Montana 59601

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001 30 006011305-1 1-
MONT ST LSHY GOVT DOC SEC-RLSE

430 E LYNDAL
HELENA MT 59601

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1980 PRELIMINARY

MONTANA BARLEY VARIETIES, SEEDLING AVERAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1960 PRELIMINARY																	
VARIETY		N.WEST		N.CENTRAL		N.EAST		CENTRAL		S.WEST		S.CENTRAL		S.EAST		STATE	
		Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.	Acre (000)	Pct.
Piroline	M	.6	1.1	219.1	41.8	27.1	19.5	82.3	35.0	11.1	18.8	4.1	3.8	5.2	8.7	349.5	29.6
Hector		5.1	9.3	33.3	6.4	47.4	34.1	57.8	24.6	.4	.7	62.0	57.4	34.3	57.2	240.3	20.4
Klages	M	1.1	2.0	84.0	16.0	--	--	23.8	10.1	13.1	22.2	--	--	--	--	122.0	10.3
Shabet	M	--	--	55.2	10.5	5.0	3.6	1.1	.5	6.5	11.0	--	--	--	--	67.8	5.7
Fairfield		--	--	44.0	8.4	--	--	16.2	6.9	--	--	--	--	--	--	60.2	5.1
Unitan		7.8	14.2	9.8	1.9	11.5	8.3	6.6	2.8	7.9	13.4	9.4	8.7	5.9	9.8	58.9	5.0
Compana		.2	.4	16.4	3.1	3.4	2.5	9.8	4.2	1.4	2.4	7.1	6.5	--	--	38.3	3.2
Summit		--	--	9.8	1.9	4.9	3.5	2.8	1.2	13.2	22.4	2.4	2.2	1.3	2.2	34.4	2.9
Ingrid		22.2	40.3	--	--	--	--	1.7	.7	--	--	4.2	3.9	--	--	28.1	2.4
Stephoe		--	--	1.6	.3	4.6	3.3	4.9	2.1	2.0	3.4	8.6	8.0	3.1	5.2	24.8	2.1
Larker		--	--	7.5	1.4	11.0	7.9	1.3	.5	--	--	--	--	4.4	7.3	24.2	2.1
Betzes	M	--	--	8.6	1.7	5.9	4.2	5.8	2.5	--	--	--	--	--	--	20.3	1.7
Vireo		9.5	17.3	--	--	--	--	--	--	--	--	4.0	3.7	--	--	13.5	1.1
Hypana		--	--	2.0	.4	6.9	5.0	1.5	.6	--	--	--	--	1.7	2.8	12.1	1.0
Morex		--	--	10.6	2.0	1.1	.8	--	--	--	--	--	--	--	--	11.7	1.0
Horsford		.5	.9	2.6	.5	--	--	1.3	.6	1.5	2.4	1.7	1.6	.8	1.3	8.4	.7
Oekap		--	--	8.3	1.6	--	--	--	--	--	--	--	--	--	--	8.3	.7
Moravian III	M	.5	.9	7.5	1.4	--	--	--	--	--	--	--	--	--	--	8.0	.7
Purcell		4.9	8.9	--	--	--	--	2.4	1.0	--	--	--	--	--	--	7.3	.6
Horned		--	--	--	--	5.2	3.7	--	--	--	--	--	--	--	--	5.2	.4
Vanguard		--	--	--	--	2.1	1.5	--	--	1.1	1.9	--	--	--	--	3.2	.3
Stepford		--	--	2.2	.4	--	--	--	--	--	--	--	--	--	--	2.2	.2
Freja		1.9	3.4	--	--	--	--	--	--	--	--	--	--	--	--	1.9	.2
Palliser		--	--	--	--	--	--	.9	.4	--	--	--	--	--	--	.9	.1
Georgy		--	--	--	--	--	--	--	--	.7	1.2	--	--	--	--	.7	.1
Unknown barley		.7	1.3	1.5	.3	2.9	2.1	14.8	6.3	.1	.2	4.5	4.2	3.3	5.5	27.8	2.4
TOTAL		55.0	100.0	524.0	100.0	139.0	100.0	235.0	100.0	59.0	100.0	108.0	100.0	60.0	100.0	1180.0	100.0

M - Malting Barley Improvement Association recommended malting varieties for Montana.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDING ACREAGE 1973 - 1980 AND SEEDING ACREAGE 1979 - 1980

VARIETIES	PERCENT OF TOTAL SEEDING ACREAGE								SEEDING ACRES	
	1973	1974	1975	1976	1977	1978	1979	1980	1979	1980 1/
	-----Percent-----								-----Acreage-----	
Piroline	34.1	35.8	25.2	24.8	37.8	31.9	28.7	29.6	316,100	349,500
Hector	--	.2	9.1	11.2	14.3	14.9	17.5	20.4	192,800	240,200
Klages	--	.2	.6	2.5	6.1	12.7	13.6	10.3	149,400	122,000
Shabet	8.6	8.4	8.4	17.0	5.0	4.4	5.1	5.8	56,000	67,800
Fairfield	--	--	--	--	--	--	1.6	5.1	18,100	60,200
Unitan	19.0	16.5	10.0	8.9	7.9	6.1	5.1	5.0	55,900	58,800
Compana	9.5	8.0	13.3	5.5	3.0	6.0	2.8	3.2	30,900	38,200
Summit	--	--	--	--	--	1.0	4.0	2.9	43,500	34,400
Ingrid	2.3	2.1	2.5	2.4	2.5	2.0	2.0	2.4	22,100	28,200
Steptoe	.6	6.8	11.0	9.0	4.7	4.8	3.8	2.1	41,200	24,800
Larker	1.7	.8	1.3	.9	3.7	2.5	1.7	2.1	18,600	24,200
Betzes	7.7	6.0	4.5	5.1	2.8	2.8	2.6	1.7	29,200	20,400
Vireo	--	--	--	--	--	.2	.5	1.1	5,400	13,500
Hypana	3.6	2.9	1.5	1.5	2.6	3.1	1.6	1.0	18,100	12,100
Morex	--	--	--	--	--	--	.1	1.0	900	11,700
Horsford	.4	.9	.9	1.0	.5	1.4	2.6	.7	28,900	8,400
Oekap	--	--	--	--	--	--	--	.7	--	8,300
Moravian III	--	--	--	--	.4	.3	.3	.7	2,900	8,000
Purcell	--	--	--	--	--	--	--	.6	--	7,300
Vanguard	1.2	2.7	2.1	.9	.5	.9	.5	.3	5,500	3,200
Freja	--	--	--	--	--	.2	.2	.2	1,800	1,900
Other	11.3	8.7	9.6	9.3	8.2	4.8	5.7	3.1	62,700	36,900
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,100,000	1,180,000

1/ Preliminary.

This barley variety survey was funded by the National Malting Barley Improvement Association. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Daniel L. Herbert
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Raymond C. Stack,
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MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1979 REVISED

VARIETY	N.WEST		N.CENTRAL		N.EAST		CENTRAL		S.WEST		S.CENTRAL		S.EAST		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	M	.7	1.3	218.7	45.5	11.1	7.8	69.5	31.8	12.6	19.1	3.5	3.7	--	316.1	28.7
Hector		--	--	21.6	4.5	61.6	43.4	54.5	24.9	2.3	3.5	42.1	44.5	10.7	24.8	17.5
Klages	M	3.9	7.1	101.6	21.0	--	--	28.4	13.0	8.0	12.1	7.5	7.9	--	149.4	13.6
Shabet	M	--	--	47.8	10.0	--	--	1.1	.5	5.8	8.8	1.3	1.4	--	56.0	5.1
Unitan		12.2	22.2	.3	.1	18.7	13.2	8.5	3.9	5.3	8.0	4.3	4.6	6.6	15.3	55.9
Summit		--	--	14.2	3.0	5.0	3.5	6.2	2.8	18.1	27.4	--	--	--	--	43.5
Steptoe		--	--	--	--	13.8	9.7	3.0	1.4	.4	.6	10.5	11.1	13.5	31.3	41.2
Compana		--	--	10.5	2.2	.5	.4	16.2	7.4	.5	.8	2.0	2.1	1.2	2.8	30.9
Horsford		6.7	12.2	4.8	1.0	.2	.1	6.3	2.9	4.2	6.4	6.7	7.1	--	--	28.9
Betzes	M	--	--	18.8	3.9	2.7	1.9	1.6	.7	1.1	1.7	--	--	5.0	11.6	29.2
Ingrid		19.1	34.7	--	--	--	--	--	--	.4	.6	2.6	2.7	--	--	22.1
Larker		--	--	6.3	1.3	8.1	5.7	--	--	--	--	--	--	4.2	9.8	18.6
Hypana		--	--	16.3	3.4	--	--	1.1	.5	.1	.5	.5	--	--	--	18.0
Fairfield		--	--	7.8	1.6	--	--	10.2	4.7	--	--	--	--	--	--	18.0
Karl	M	2.0	3.6	--	--	--	--	.7	.3	4.6	7.0	--	--	--	--	7.3
Virea		5.4	9.8	--	--	--	--	--	--	--	--	--	--	--	--	5.4
Vanguard		--	--	--	--	2.4	1.7	--	--	1.4	2.1	1.7	1.8	--	--	5.5
Moravian III	M	--	--	2.9	.6	--	--	--	--	--	--	--	--	--	--	2.9
Freja		1.8	3.3	--	--	--	--	--	--	--	--	--	--	--	--	1.8
Other		3.2	5.8	9.0	1.9	17.8	12.6	11.5	5.2	1.2	1.8	11.9	12.6	1.9	4.4	56.5
TOTAL		55.0	100.0	480.6	100.0	141.9	100.0	218.8	100.0	66.0	100.0	94.6	100.0	43.1	100.0	1,100.0

M - Malting Barley Improvement Association recommended malting varieties for Montana.

BARLEY VARIETIES

620.20112

97M
1981

1981

STATE DOCUMENTS COLLECTION

MONTANA
CROP & LIVESTOCK
REPORTING SERVICE

Statistical Reporting Service-USDA
Montana Department of Agriculture
PO Box 4369-Helena, MT 59604

Released: July 10, 1981

Montana farmers and ranchers seeded 1.4 million acres of barley in 1981. A June survey of growers provided the following breakdown of barley varieties in Montana, according to the Montana Crop and Livestock Reporting Service.

MALTING TYPE BARLEY VARIETIES: Almost one-half of the total Montana barley acreage in 1981 was seeded to recommended malting types. Pirol line, with 425,200 acres, remained the most popular variety in the State. Klages, another important malting variety, was seeded to 136,800 acres, and remained the third most popular overall variety. Shabet, at 68,000 acres is the third most popular malting variety and remained the fourth most popular overall variety to Montana farmers and ranchers.

Pirol line acreage increased from last year and now accounts for 30 percent of the total barley acreage. Pirol line is a two-row variety, relatively strong strawed, with medium yield ability and good test weight.

Klages, with nearly 10 percent of the total barley acreage is up slightly this year. Klages is a two-row type with medium size kernels. It is a mid-tall, stiff-strawed variety.

Shabet in fourth place overall accounted for 5 percent of the total barley acreage. Shabet is a two-row variety, with medium to high yielding ability. Test weight is good, kernel size is small. Maturity and lodging resistance are medium. The variety has good sheltering resistance.

Other malting varieties of significant acreages in Montana are Moravian III with 10,100 acres and Betzes with 2,800 acres. The acreage for Betzes is down considerably from last year.

FEED TYPE BARLEY VARIETIES: Hector continues to increase in popularity and acreage and still remains in first place among feed varieties, and second place overall. This variety accounted for almost 28 percent of the total barley seeded, up from last year. Hector is a two-row type, with high yield ability and test weight. Kernel size is medium to small. It is medium in maturity, with good lodging resistance.

Compana has climbed to second place among feed type varieties and fifth place overall with 46,300 acres seeded. Compana is a two-rowed, white seeded, semi-smoothed-awned variety with drought resistance and medium sized seed.

Unitan is again in third place among feed type barley varieties this year with 42,400 acres--3 percent of the total acreage. Unitan is a six-row variety, with high yielding ability, but medium to low test weight. Kernel size and lodging resistance are both medium. Maturity is early and this variety is susceptible to stem rust and is low in protein.

Ingrid climbed to fourth place among feed varieties with 40,700 acres--almost 3 percent of the total. Ingrid is a two-row late maturing variety. This variety is susceptible to loose and covered smuts, but resistant to net blotch.

UNITED STATES DEPARTMENT OF AGRICULTURE
Montana Crop & Livestock Reporting Service

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Helena, Montana 59604

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MONTANA BARLEY VARIETIES: SEEOED ACREAGE AND PERCENT OF TOTAL -- 1981 PRELIMINARY

VARIETIES		N.WEST		N.CENTRAL		N.EAST		CENTRAL		S.WEST		S.CENTRAL		S.EAST		STATE	
		Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline	M	--	--	308.5	50.6	11.9	7.4	58.8	17.8	24.0	32.0	12.6	14.9	9.4	15.7	425.2	30.4
Hector		9.8	12.3	49.7	8.1	95.7	59.8	171.8	52.1	.7	.9	25.1	29.5	36.7	61.2	389.5	27.8
Klages	M	.3	.4	110.8	18.2	17.6	11.0	2.7	.8	.5	.7	4.9	5.8	--	--	136.8	9.8
Shabet	M	--	--	36.7	6.0	.1	.1	24.2	7.3	7.0	9.3	--	--	--	--	68.0	4.8
Compana		--	--	6.4	1.0	1.7	1.1	18.1	5.5	--	--	20.1	23.7	--	--	46.3	3.3
Unitan		2.5	3.1	--	--	6.8	4.3	4.4	1.3	14.8	19.7	7.0	8.2	6.9	11.5	42.4	3.0
Ingrid		38.2	47.7	--	--	--	--	--	--	--	--	2.5	2.9	--	--	40.7	2.9
Morex		--	--	29.2	4.8	--	--	2.4	.7	3.1	4.1	--	--	--	--	34.7	2.5
Fairfield		--	--	23.8	3.9	--	--	9.6	2.9	--	--	--	--	--	--	33.4	2.4
Larker		--	--	15.7	2.6	14.3	8.9	.1	.1	--	--	--	--	--	--	30.1	2.1
Summit		7.2	9.0	4.3	.7	--	--	5.5	1.7	4.7	6.3	.2	.2	.2	.3	22.1	1.6
Steptoe		--	--	--	--	2.2	1.4	6.9	2.1	2.6	3.5	2.7	3.2	6.2	10.3	20.6	1.5
Horsford		1.3	1.6	2.6	.4	3.4	2.1	4.4	1.3	3.5	4.7	1.6	1.9	--	--	16.8	1.2
Stepford		--	--	1.6	.3	--	--	--	--	14.0	18.7	--	--	--	--	15.6	1.1
Moravian 111	M	--	--	9.2	1.5	--	--	--	--	--	--	.9	1.0	--	--	10.1	.7
Vireo		7.1	8.9	--	--	--	--	--	--	--	--	2.1	2.5	--	--	9.2	.7
Purcell		6.6	8.3	1.3	.2	--	--	--	--	--	--	--	--	--	--	7.9	.6
Freja		2.6	3.2	--	--	--	--	--	--	--	--	3.6	4.2	--	--	6.2	.4
Hypana		--	--	2.9	.5	1.5	.9	--	--	--	--	.9	1.1	--	--	5.3	.4
Betzes	M	--	--	1.7	.3	.5	.3	.6	.2	--	--	--	--	--	--	2.8	.2
Gregory		1.0	1.3	--	--	--	--	--	--	--	--	--	--	--	--	1.0	.1
Other		3.4	4.2	5.6	.9	4.3	2.7	20.5	6.2	.1	.1	.8	.9	.6	1.0	35.3	2.5
STATE		80.0	100.0	610.0	100.0	160.0	100.0	330.0	100.0	75.0	100.0	85.0	100.0	60.0	100.0	1,400.0	100.0

M - Malting Barley Improvement Association recommended malting varieties for Montana.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1980 REVISED

VARIETY	N.WEST		N.CENTRAL		N.EAST		CENTRAL		S.WEST		S.CENTRAL		S.EAST		STATE	
	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.	Acres (000)	Pct.
Piroline M	.6	1.0	204.0	41.8	24.4	19.5	94.5	35.0	14.1	18.8	4.4	3.8	4.3	8.7	346.3	29.3
Hector	5.4	9.3	31.2	6.4	42.6	34.1	66.4	24.6	.5	.7	66.0	57.4	28.0	57.2	240.1	20.3
Klages M	1.2	2.1	78.1	16.0	--	--	27.3	10.1	16.6	22.1	--	--	--	--	123.2	10.4
Shabet M	--	--	51.2	10.5	4.5	3.6	1.4	.5	8.2	10.9	--	--	--	--	65.3	5.5
Fairfield	--	--	41.0	8.4	--	--	18.6	6.9	--	--	--	--	--	--	59.6	5.1
Unitan	8.2	14.1	9.3	1.9	10.4	8.3	7.6	2.8	10.1	13.4	10.0	8.7	4.8	9.8	60.4	5.1
Compana	.2	.4	15.1	3.1	3.1	2.5	11.3	4.2	1.8	2.4	7.5	6.5	--	--	39.0	3.3
Summit	--	--	9.3	1.9	4.4	3.5	3.2	1.2	16.8	22.4	2.5	2.2	1.1	2.3	37.3	3.2
Ingrid	23.4	40.3	--	--	--	--	1.9	.7	--	--	4.5	3.9	--	--	29.8	2.5
Steptoe	--	--	1.5	.3	4.1	3.3	5.7	2.1	2.6	3.5	9.2	8.0	2.5	5.1	25.6	2.2
Larker	--	--	6.8	1.4	9.9	7.9	1.4	.5	--	--	--	--	3.6	7.4	21.7	1.8
Setzes M	--	--	8.3	1.7	5.3	4.2	6.7	2.5	--	--	--	--	--	--	20.3	1.7
Vireo	10.0	17.2	--	--	--	--	--	--	--	--	4.3	3.7	--	--	14.3	1.2
Hypana	--	--	2.0	.4	6.2	5.0	1.6	.6	--	--	--	--	1.4	2.8	11.2	1.0
Morex	--	--	9.7	2.0	1.0	.8	--	--	--	--	--	--	--	--	10.7	.9
Horsford	.5	.9	2.4	.5	--	--	1.6	.6	1.8	2.4	1.8	1.6	.6	1.2	8.7	.7
Oekap	--	--	7.8	1.6	--	--	--	--	--	--	--	--	--	--	7.8	.7
Moravian III M	.5	.9	6.8	1.4	--	--	--	--	--	--	--	--	--	--	7.3	.6
Purcell	5.2	9.0	--	--	--	--	2.7	1.0	--	--	--	--	--	--	7.9	.7
Horned	--	--	--	--	4.6	3.7	--	--	--	--	--	--	--	--	4.6	.4
Vanguard	--	--	--	--	1.9	1.5	--	--	1.4	1.9	--	--	--	--	3.3	.3
Stepford	--	--	2.0	.4	--	--	--	--	--	--	--	--	--	--	2.0	.2
Freja	2.0	3.4	--	--	--	--	--	--	--	--	--	--	--	--	2.0	.2
Palliser	--	--	--	--	--	--	1.1	.4	--	--	--	--	--	--	1.1	.1
Georgy	--	--	--	--	--	--	--	--	.9	1.2	--	--	--	--	.9	.1
Unknown barley	.8	1.4	1.5	.3	2.6	2.1	17.0	6.3	.2	.3	4.8	4.2	2.7	5.5	29.6	2.5
TOTAL	58.0	100.0	488.0	100.0	125.0	100.0	270.0	100.0	75.0	100.0	115.0	100.0	49.0	100.0	1180.0	100.0

M - Malting Barley Improvement Association recommended malting varieties for Montana.

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1974 - 1981 AND SEEDED ACREAGE 1980 - 1981

VARIETIES	PERCENT OF TOTAL SEEDED ACREAGE								SEEDED ACRES	
	1974	1975	1976	1977	1978	1979	1980	1981	1980	1981 <u>1/</u>
	-----Percent-----								----- (000) -----	
Piroline	35.8	25.2	24.8	37.8	31.9	28.7	29.3	30.4	346.3	425.2
Hector	.2	9.1	11.2	14.3	14.9	17.5	20.3	27.8	240.1	389.5
Klages	.2	.6	2.5	6.1	12.7	13.6	10.4	9.8	123.2	136.8
Shabet	8.4	8.4	17.0	5.0	4.4	5.1	5.5	4.8	65.3	68.0
Compana	8.0	13.3	5.5	3.0	6.0	2.8	3.3	3.3	39.0	46.3
Unitan	16.5	10.0	8.9	7.9	6.1	5.1	5.1	3.0	60.4	42.4
Ingrid	2.1	2.5	2.4	2.5	2.0	2.0	2.5	2.9	29.8	40.7
Morex	--	--	--	--	--	.1	.9	2.5	10.7	34.7
Fairfield	--	--	--	--	--	1.6	5.1	2.4	59.6	33.4
Larker	.8	1.3	.9	3.7	2.5	1.7	1.8	2.1	21.7	30.1
Summit	--	--	--	--	1.0	4.0	3.2	1.6	37.3	22.1
Step toe	6.8	11.0	9.0	4.7	4.8	3.8	2.2	1.5	25.6	20.6
Horsford	.9	.9	1.0	.5	1.4	2.6	.7	1.2	8.7	16.8
Stepford	--	--	--	--	--	.2	.2	1.1	2.0	15.6
Moravian III	--	--	--	.4	.3	.3	.6	.7	7.3	10.1
Vireo	--	--	--	--	.2	.5	1.2	.7	14.3	9.2
Purcell	--	--	--	--	--	--	.7	.6	7.9	7.9
Freja	--	--	--	--	.2	.2	.2	.4	2.0	6.2
Hypana	2.9	1.5	1.5	2.6	3.1	1.6	1.0	.4	11.2	5.3
Betzes	6.0	4.5	5.1	2.8	2.8	2.6	1.7	.2	20.3	2.8
Other	11.4	11.7	10.2	8.7	5.7	6.0	4.1	2.6	47.3	36.3
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1180.0	1400.0

1/ Preliminary.

This barley variety survey was funded by the National Malting Barley Improvement Association. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

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Agr. Statistician